

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060164.D
 Acq On : 20 Feb 2020 11:33
 Operator : JC/MD
 Sample : VN0220WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 9:14:34 AM

Quant Time: Feb 21 02:44:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	297645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	111750	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.56	113	89566	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	10.08	98	349066	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.40	95	124945	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	36221	19.099	ug/l	96
3) Chloromethane	2.04	50	42308	18.746	ug/l	99
4) Vinyl Chloride	2.17	62	47833	18.594	ug/l	100
5) Bromomethane	2.55	94	29826	18.909	ug/l	99
6) Chloroethane	2.69	64	24454	18.794	ug/l	94
7) Trichlorofluoromethane	3.00	101	62507	18.846	ug/l	99
8) Diethyl Ether	3.38	74	21419	19.400	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36073	19.590	ug/l	99
10) Methyl Iodide	3.93	142	46265	20.254	ug/l	99
11) Tert butyl alcohol	4.73	59	31099	90.014	ug/l	99
12) 1,1-Dichloroethene	3.72	96	34392	19.172	ug/l	96
13) Acrolein	3.58	56	26823	78.546	ug/l	97
14) Allyl chloride	4.29	41	53671	20.328	ug/l	91
15) Acrylonitrile	4.94	53	80294	95.165	ug/l	99
16) Acetone	3.78	43	85675	85.075	ug/l	98
17) Carbon Disulfide	4.03	76	95975	17.750	ug/l	98
18) Methyl Acetate	4.28	43	38140	20.161	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	113700	18.848	ug/l	99
20) Methylene Chloride	4.52	84	38511	19.168	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	36931	18.886	ug/l	95
22) Diisopropyl ether	5.91	45	111010	19.185	ug/l	97
23) Vinyl Acetate	5.86	43	463419	95.368	ug/l	99
24) 1,1-Dichloroethane	5.82	63	67739	19.324	ug/l	99
25) 2-Butanone	6.80	43	114147	90.124	ug/l	95
26) 2,2-Dichloropropane	6.79	77	63666	19.122	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	42780	18.694	ug/l	98
28) Bromochloromethane	7.16	49	26580	19.288	ug/l	97
29) Tetrahydrofuran	7.18	42	71996	92.659	ug/l	99
30) Chloroform	7.35	83	70442	19.184	ug/l	98
31) Cyclohexane	7.63	56	62635	19.182	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	63816	19.018	ug/l	98
36) 1,1-Dichloropropene	7.77	75	52712	19.120	ug/l	99
37) Ethyl Acetate	6.89	43	46994	18.861	ug/l	99
38) Carbon Tetrachloride	7.75	117	55992	18.701	ug/l	98

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MMDadoda
 2/21/2020 9:14:34 AM

Quant Time: Feb 21 02:44:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65218	19.057	ug/l	99
40) Benzene	8.02	78	154789	18.927	ug/l	99
41) Methacrylonitrile	7.15	41	21772m	20.836	ug/l	
42) 1,2-Dichloroethane	8.10	62	55250	19.276	ug/l	98
43) Isopropyl Acetate	8.14	43	80723	18.953	ug/l	99
44) Trichloroethene	8.81	130	42394	18.722	ug/l	100
45) 1,2-Dichloropropane	9.10	63	40022	19.767	ug/l	99
46) Dibromomethane	9.19	93	27026	18.889	ug/l	97
47) Bromodichloromethane	9.38	83	55023	18.916	ug/l	99
48) Methyl methacrylate	9.18	41	34212	17.903	ug/l	97
49) 1,4-Dioxane	9.18	88	12491	382.565	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	231121	93.750	ug/l	99
52) Toluene	10.14	92	101490	19.353	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	62613	19.069	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	65542	18.956	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	39393	19.254	ug/l	99
56) Ethyl methacrylate	10.42	69	54298	18.761	ug/l	97
57) 1,3-Dichloropropane	10.70	76	64746	19.179	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	129091	95.741	ug/l	100
59) 2-Hexanone	10.74	43	170760	89.667	ug/l	99
60) Dibromochloromethane	10.89	129	43557	18.552	ug/l	99
61) 1,2-Dibromoethane	10.99	107	39361	18.352	ug/l	97
64) Tetrachloroethene	10.62	164	40019	19.035	ug/l	99
65) Chlorobenzene	11.43	112	106379	18.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	41275	19.365	ug/l	99
67) Ethyl Benzene	11.50	91	192933	18.986	ug/l	100
68) m/p-Xylenes	11.62	106	144292	37.832	ug/l	100
69) o-Xylene	11.94	106	69512	18.929	ug/l	100
70) Styrene	11.96	104	108810	18.374	ug/l	99
71) Bromoform	12.12	173	31130	18.158	ug/l #	99
73) Isopropylbenzene	12.25	105	188298	18.971	ug/l	100
74) N-amyl acetate	12.06	43	67704	18.917	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	55212	19.326	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	48482m	19.065	ug/l	
77) Bromobenzene	12.52	156	47102	19.122	ug/l	98
78) n-propylbenzene	12.59	91	213849	18.911	ug/l	100
79) 2-Chlorotoluene	12.67	91	125882	18.939	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	158134	19.162	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19260	18.545	ug/l	99
82) 4-Chlorotoluene	12.77	91	128492	18.842	ug/l	100
83) tert-Butylbenzene	12.99	119	136195	18.656	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	157145	19.290	ug/l	99
85) sec-Butylbenzene	13.17	105	185158	19.151	ug/l	99
86) p-Isopropyltoluene	13.28	119	166570	19.015	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	82085	18.826	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	81823	18.770	ug/l	98
89) n-Butylbenzene	13.61	91	146101	18.962	ug/l	99
90) Hexachloroethane	13.87	117	30765	18.799	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	79906	18.726	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11157	17.871	ug/l	95

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ClientSampleId :
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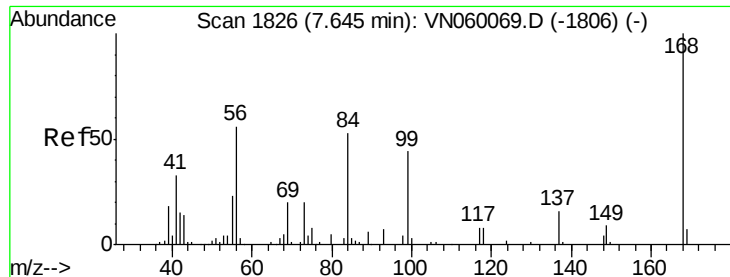
Manual Integrations
APPROVED

MMDadoda
2/21/2020 9:14:34 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46444	18.524	ug/l	98
94) Hexachlorobutadiene	15.01	225	27072	18.444	ug/l	99
95) Naphthalene	15.13	128	118236	17.458	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46119	18.471	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBS01

Tot Ion:168 Resp: 189733

Ion Ratio Lower Upper

168 100

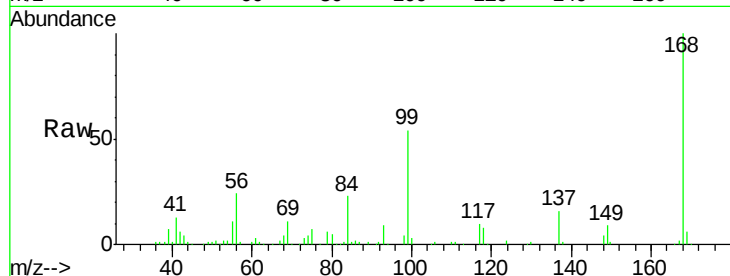
99 54.3 42.7 64.1

Manual Integrations

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2/21/2020 9:14:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

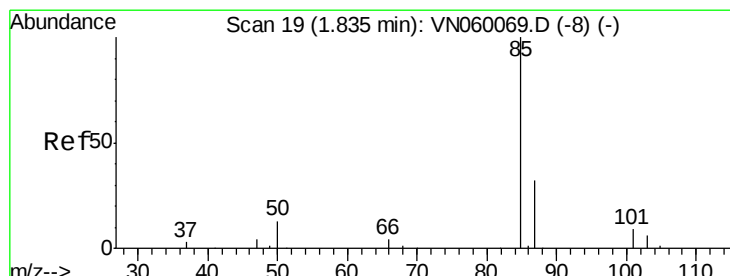
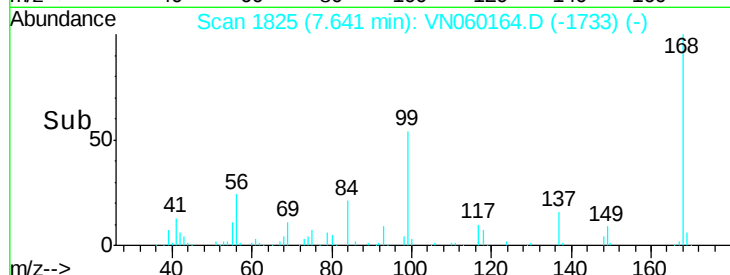
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.099 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060164.D

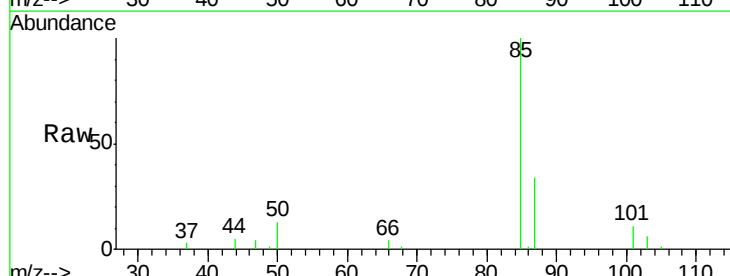
Acq: 20 Feb 2020 11:33

Tgt Ion: 85 Resp: 36221

Ion Ratio Lower Upper

85 100

87 34.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

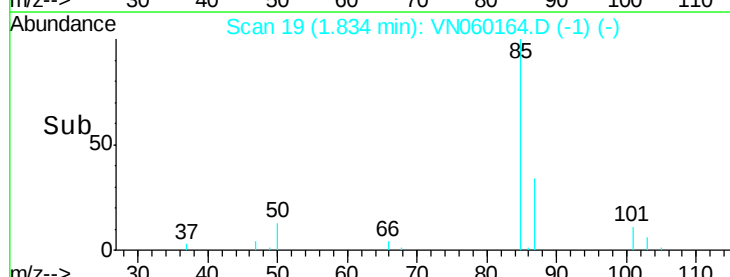
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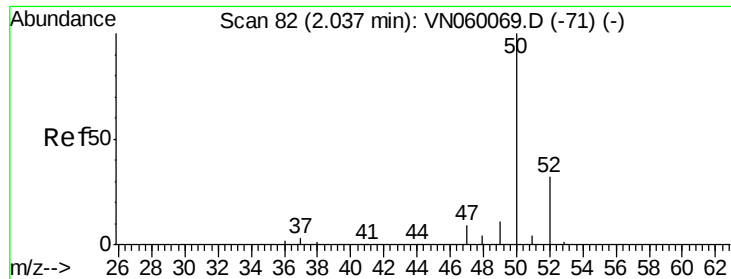
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5000

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Time-->





#3

Chloromethane

Concen: 18.746 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBS01

Tot Ion: 50 Resp: 42308

Ion Ratio Lower Upper

50 100

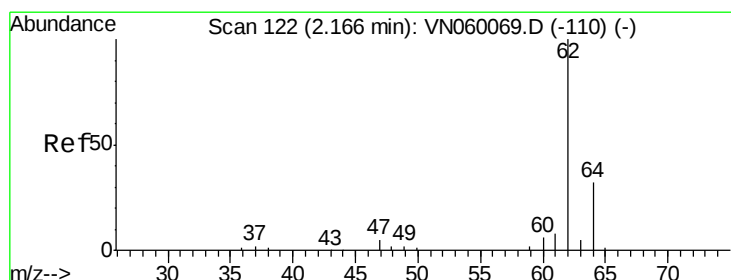
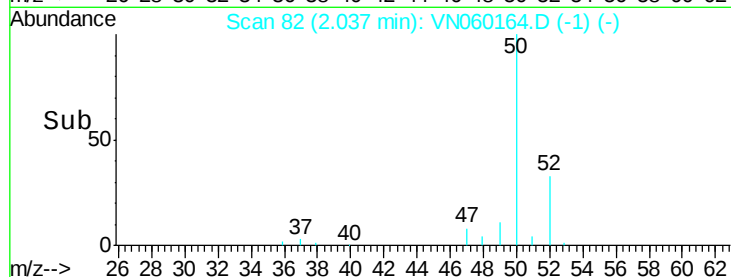
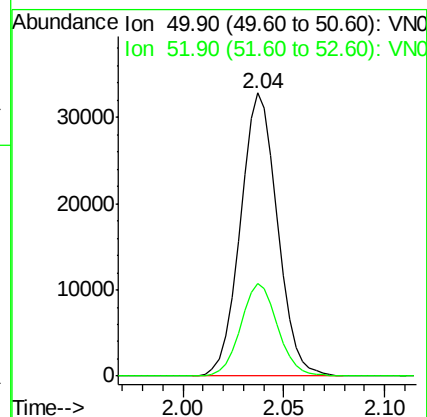
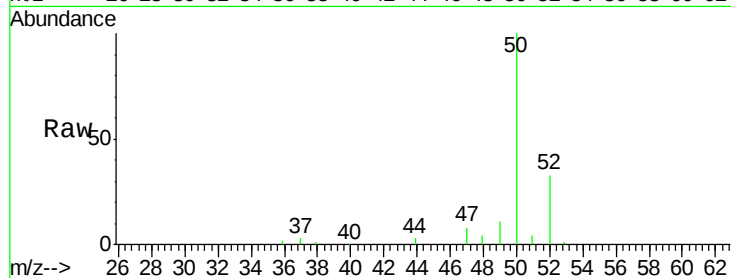
52 32.6 25.6 38.4

Manual Integrations

APPROVED

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2/21/2020 9:14:34 AM



#4

Vinyl Chloride

Concen: 18.594 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060164.D

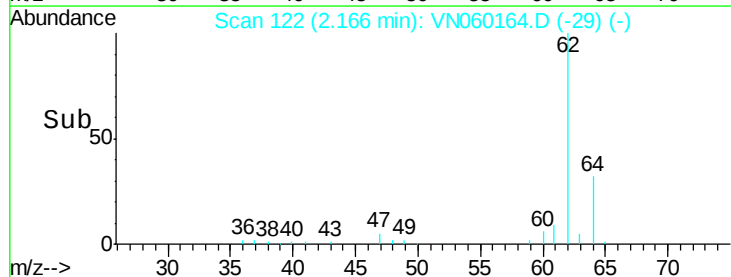
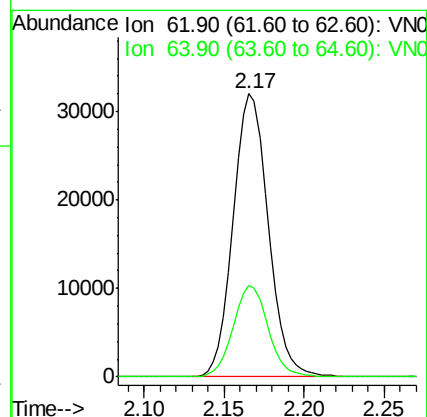
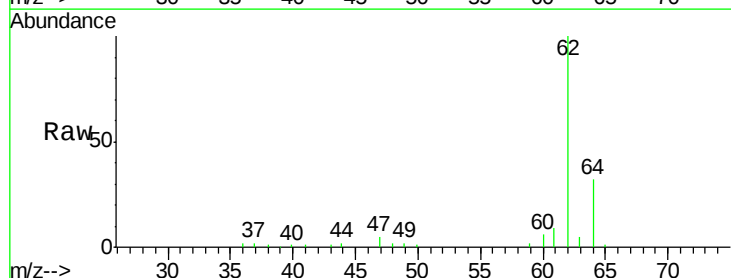
Acq: 20 Feb 2020 11:33

Tgt Ion: 62 Resp: 47833

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 18.909 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBS01

Tot Ion: 94 Resp: 29826

Ion Ratio Lower Upper

94 100

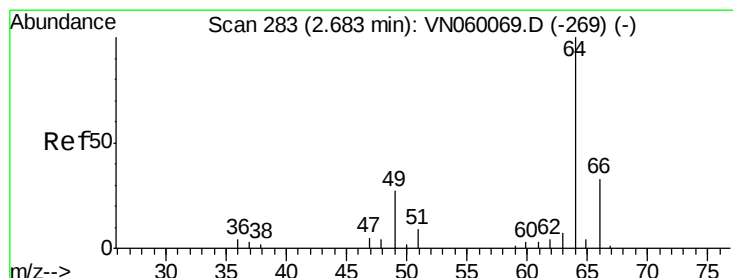
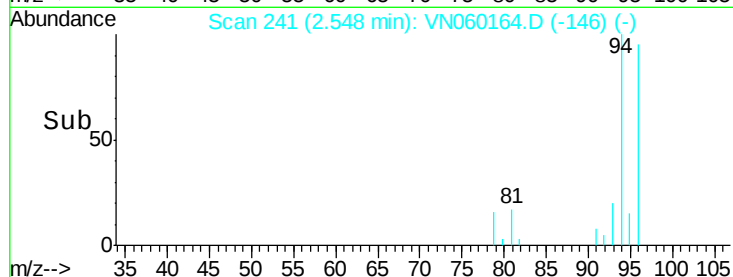
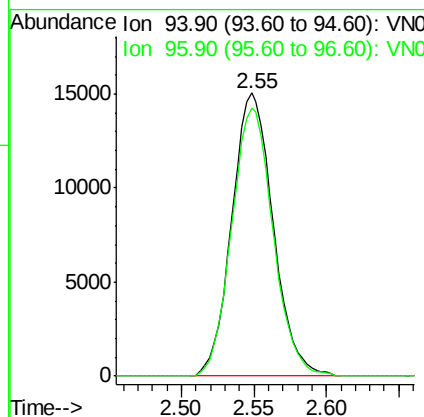
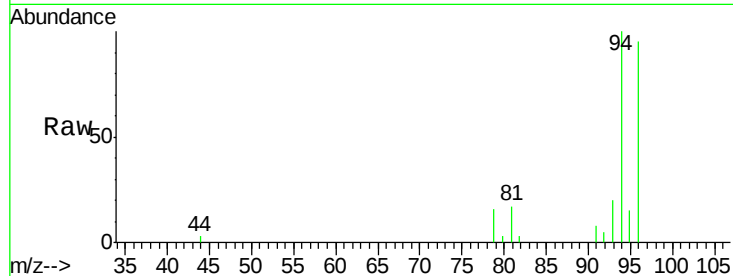
96 94.6 76.7 115.1

Manual Integrations

APPROVED

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2/21/2020 9:14:34 AM



#6

Chloroethane

Concen: 18.794 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060164.D

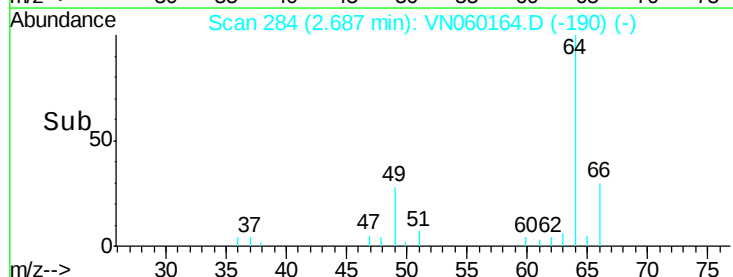
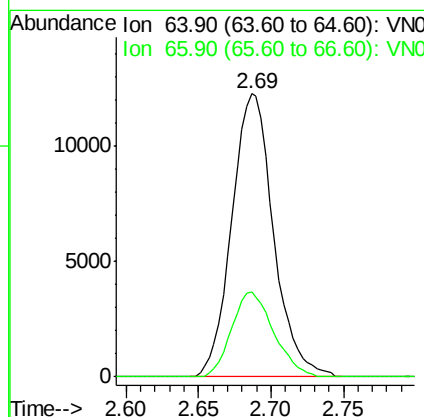
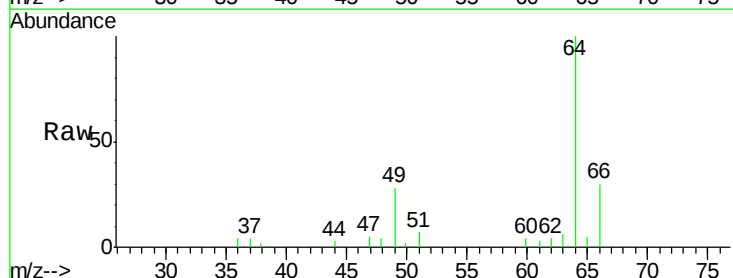
Acq: 20 Feb 2020 11:33

Tgt Ion: 64 Resp: 24454

Ion Ratio Lower Upper

64 100

66 30.0 26.6 40.0





#7

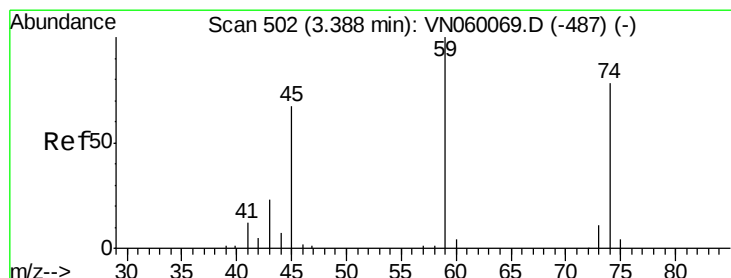
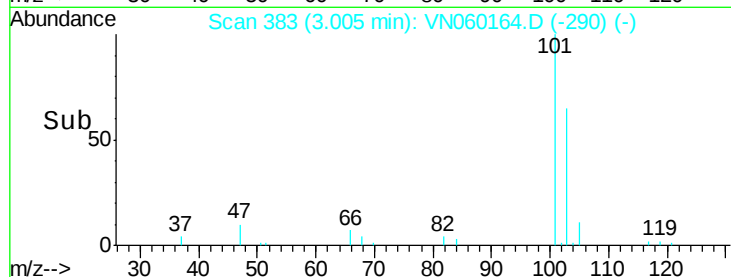
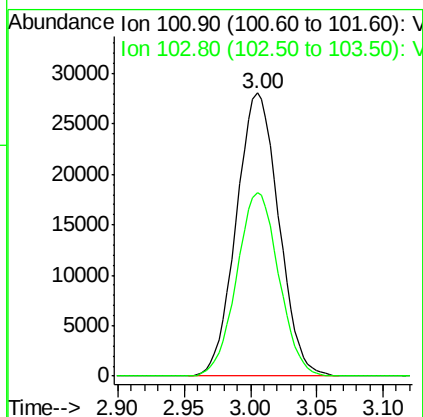
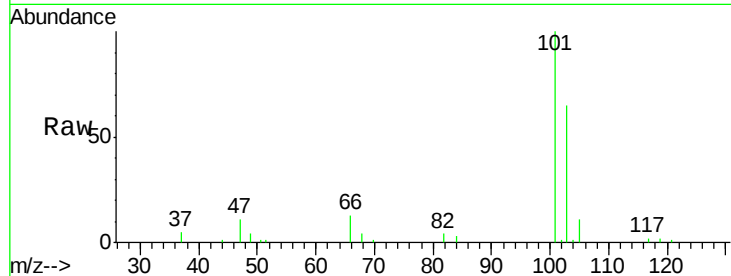
Trichlorofluoromethane
 Concen: 18.846 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
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Tot Ion:101 Resp: 62507
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.0 76.6

Manual Integrations
 APPROVED

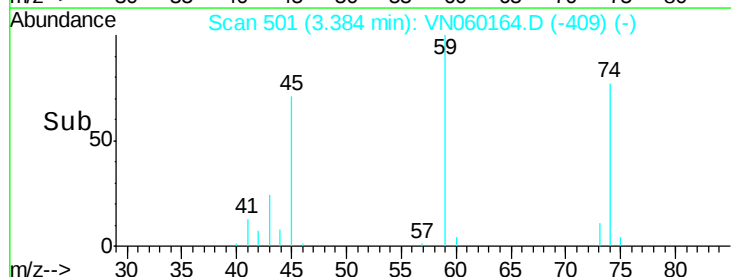
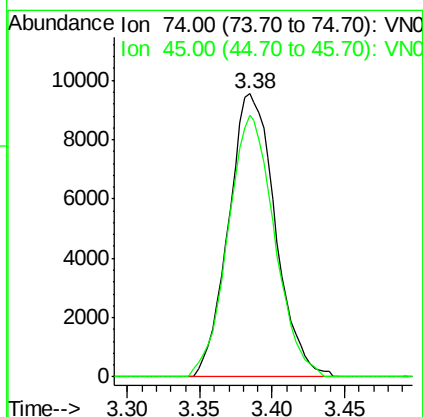
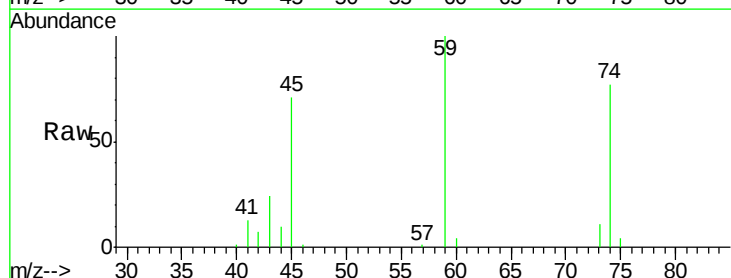
MMDadoda
 2/21/2020 9:14:34 AM

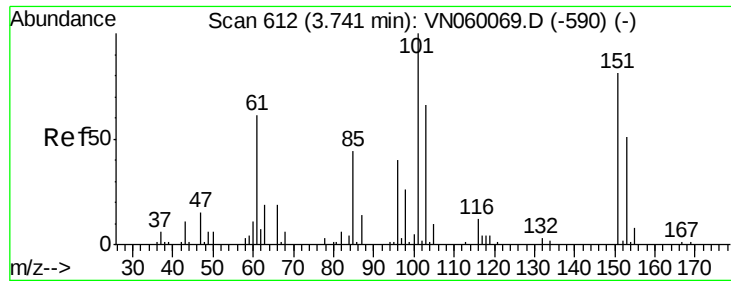


#8

Diethyl Ether
 Concen: 19.400 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion: 74 Resp: 21419
 Ion Ratio Lower Upper
 74 100
 45 91.8 44.7 134.1





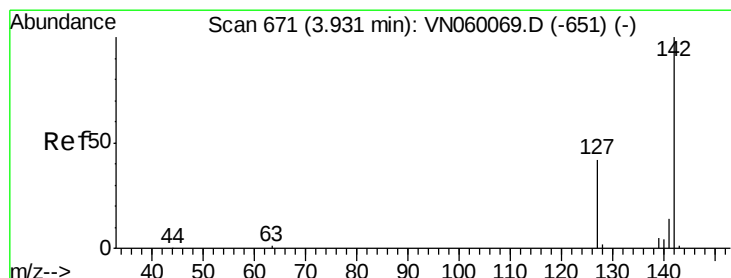
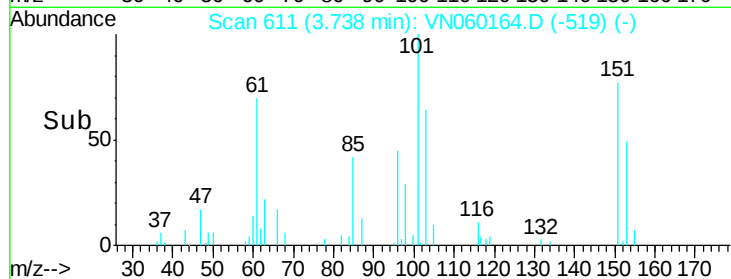
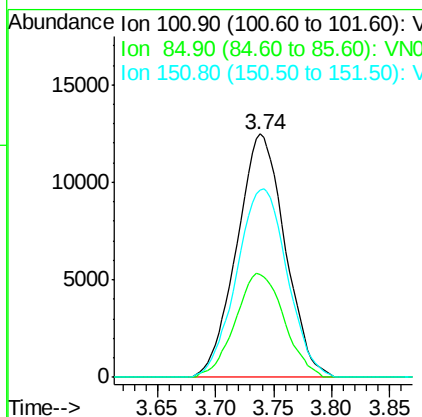
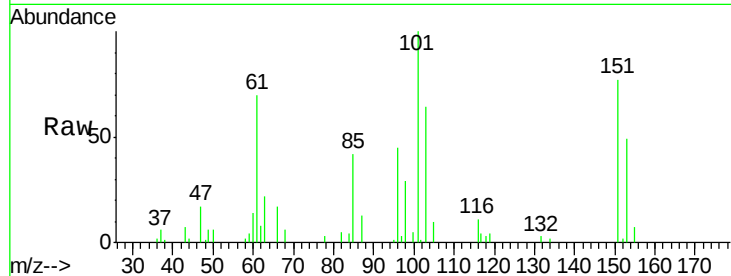
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.590 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN060164.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.1	35.1	52.7
151	81.4	65.8	98.6

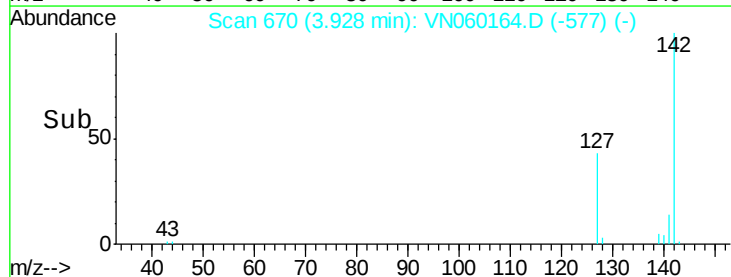
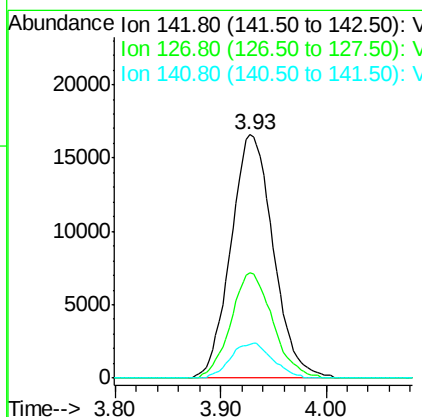
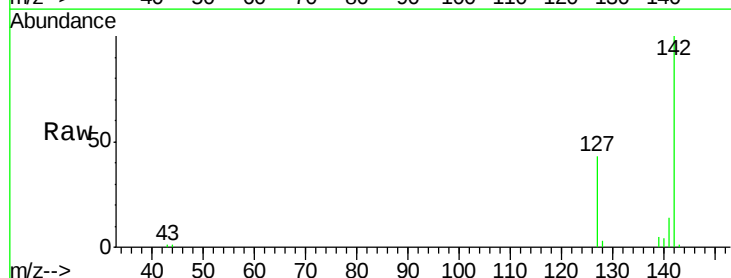
Manual Integrations
APPROVED

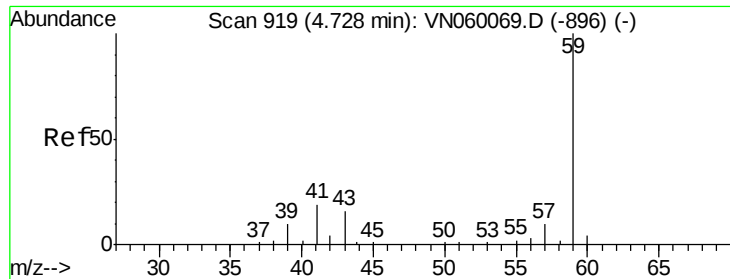
MMDadoda
2/21/2020 9:14:34 AM



#10
Methyl Iodide
Concen: 20.254 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.6	33.6	50.4
141	14.2	11.4	17.2





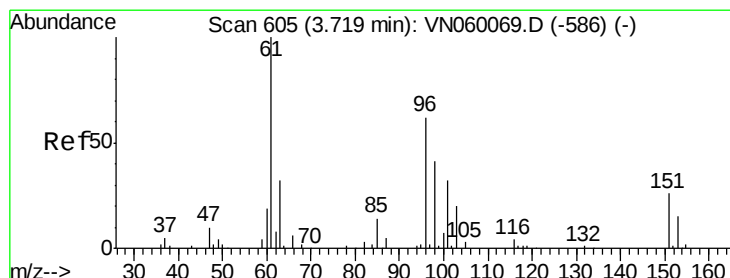
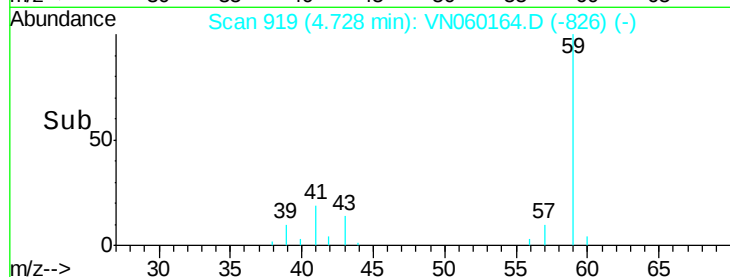
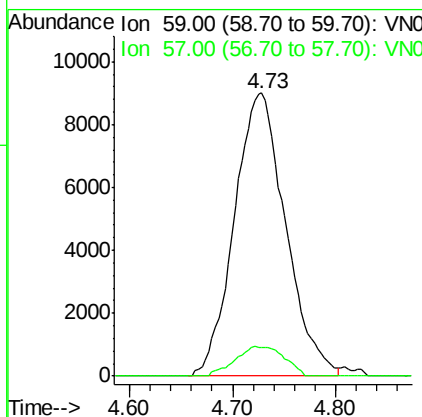
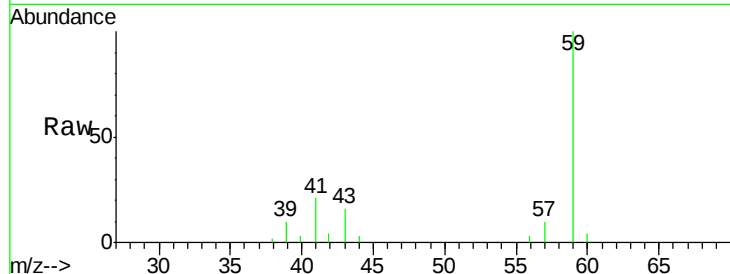
#11
Tert butyl alcohol
Concen: 90.014 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampled :
VN0220WBS01

Tot Ion: 59 Resp: 31099
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

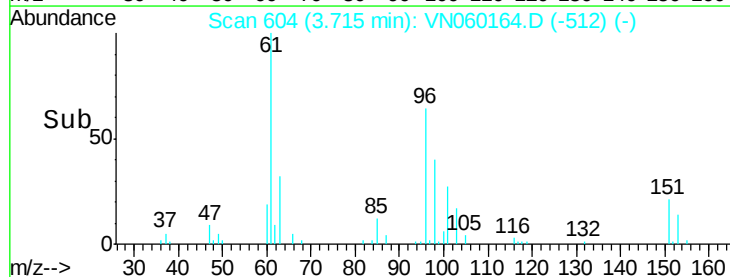
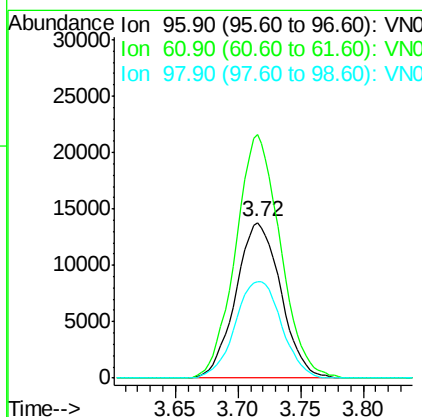
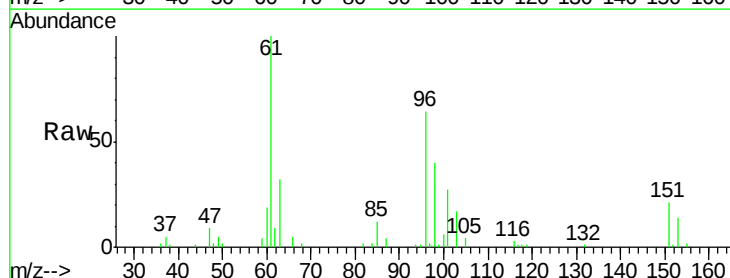
Manual Integrations
APPROVED

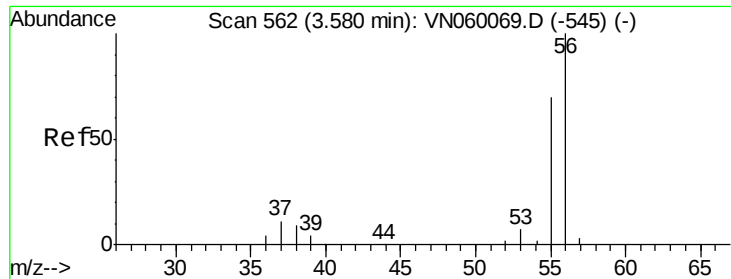
MMDadoda
2/21/2020 9:14:34 AM



#12
1,1-Dichloroethene
Concen: 19.172 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion: 96 Resp: 34392
Ion Ratio Lower Upper
96 100
61 156.2 128.3 192.5
98 61.8 52.2 78.4





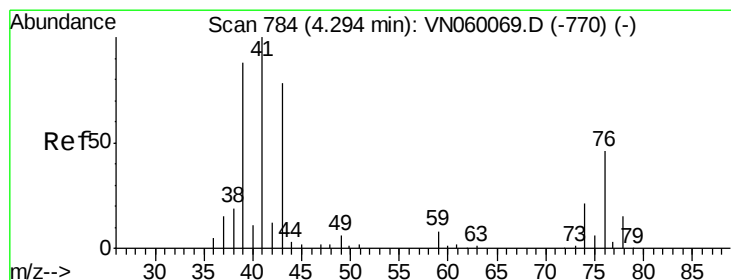
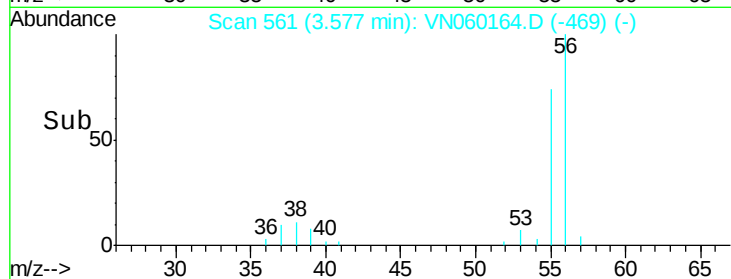
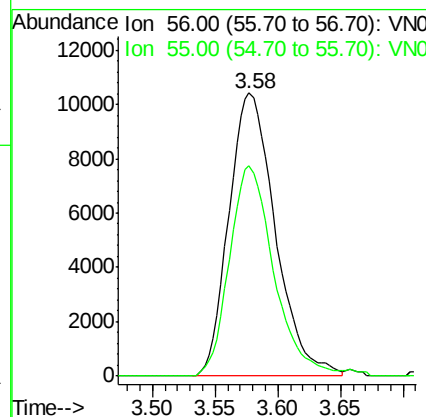
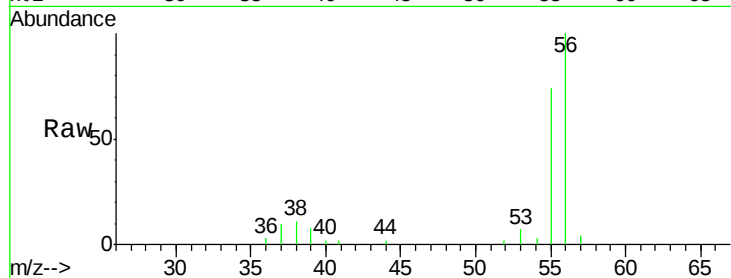
#13
Acrolein
Concen: 78.546 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion: 56 Resp: 26823
Ion Ratio Lower Upper
56 100
55 70.8 54.8 82.2

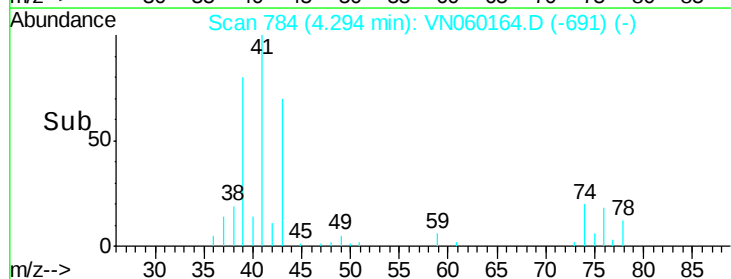
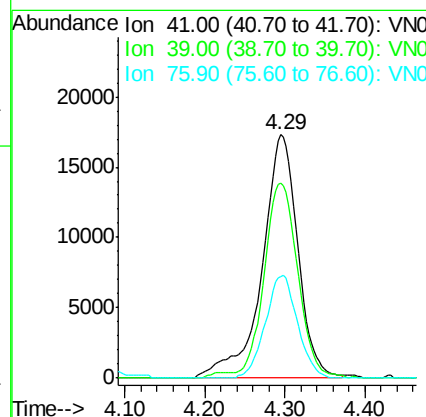
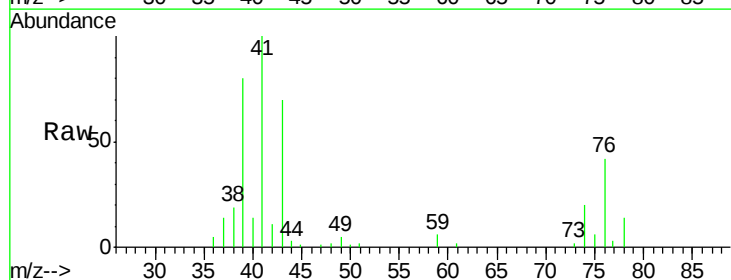
Manual Integrations
APPROVED

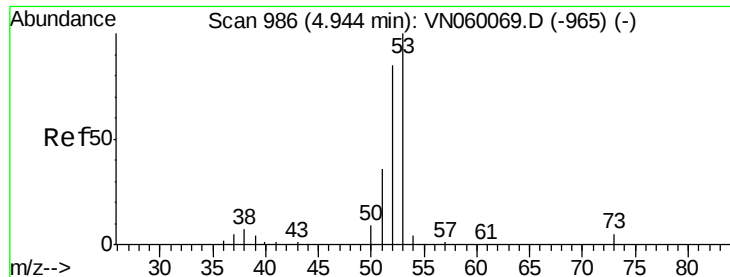
MMDadoda
2/21/2020 9:14:34 AM



#14
Allyl chloride
Concen: 20.328 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion: 41 Resp: 53671
Ion Ratio Lower Upper
41 100
39 75.3 67.8 101.8
76 37.9 33.9 50.9





#15

Acrylonitrile

Concen: 95.165 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

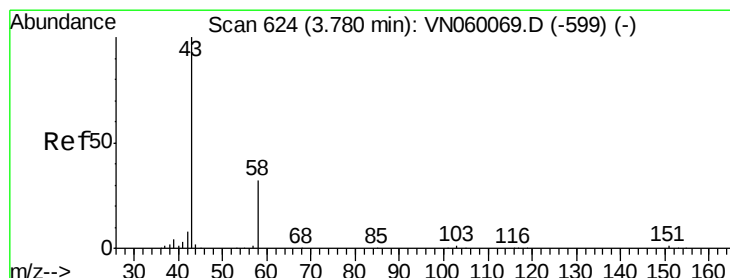
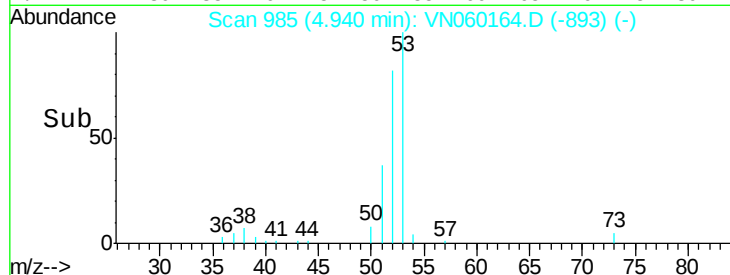
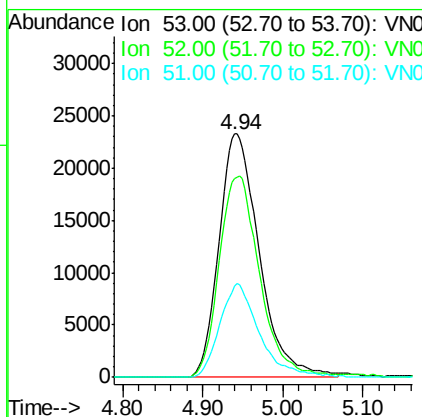
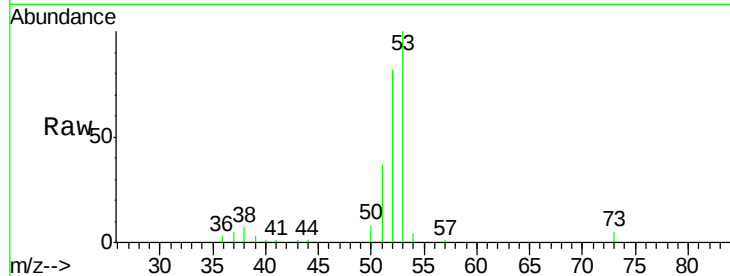
ClientSampleId :

VN0220WBS01

Tot Ion:	53	Resp:	80294
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.8	100.2
51	37.6	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 85.075 ug/l

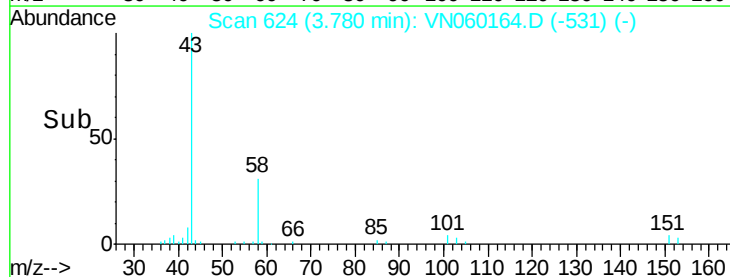
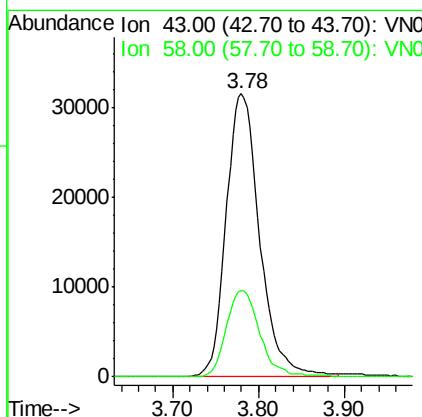
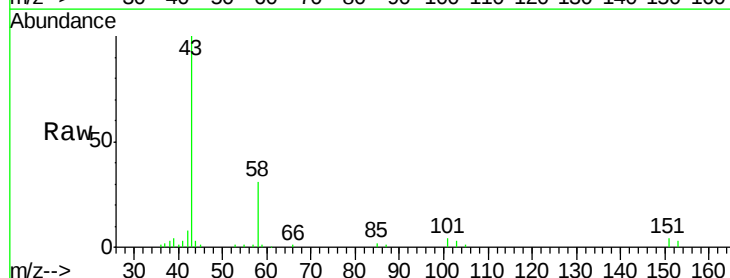
RT: 3.78 min Scan# 624

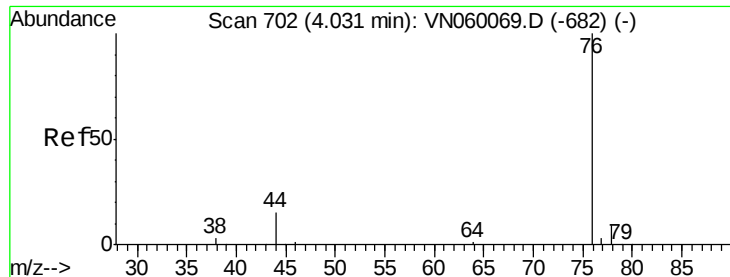
Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Tgt Ion:	43	Resp:	85675
Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.2	37.8





#17

Carbon Disulfide

Concen: 17.750 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBS01

Tot Ion: 76 Resp: 95975

Ion Ratio Lower Upper

76 100

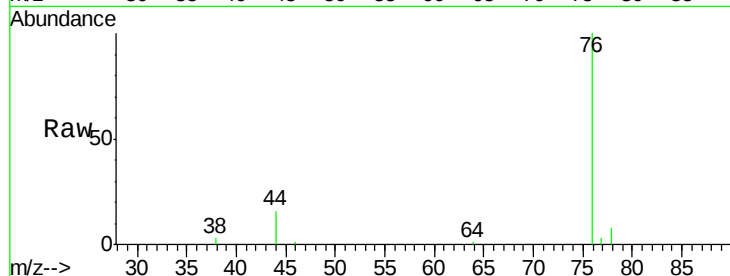
78 8.2 7.0 10.6

Manual Integrations

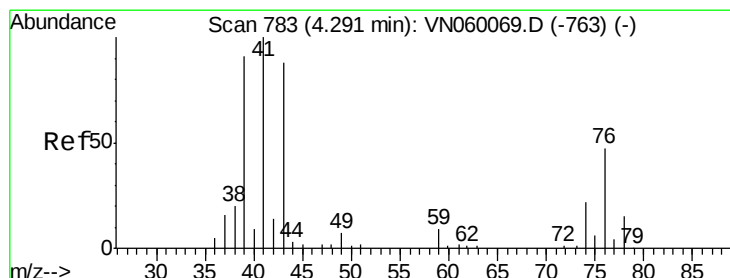
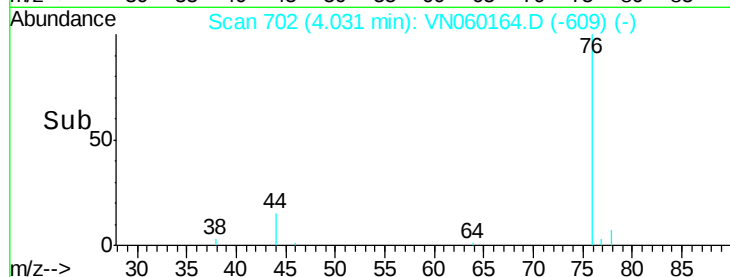
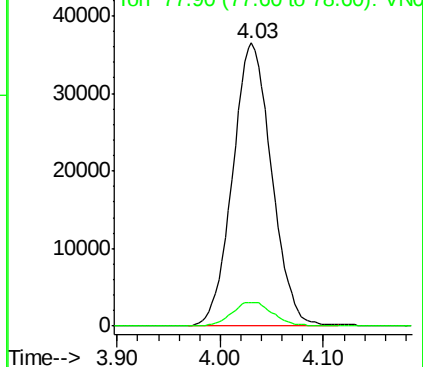
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Abundance Ion 75.90 (75.60 to 76.60): VN060164.D (-609) (-)



#18

Methyl Acetate

Concen: 20.161 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.01 min

Lab File: VN060164.D

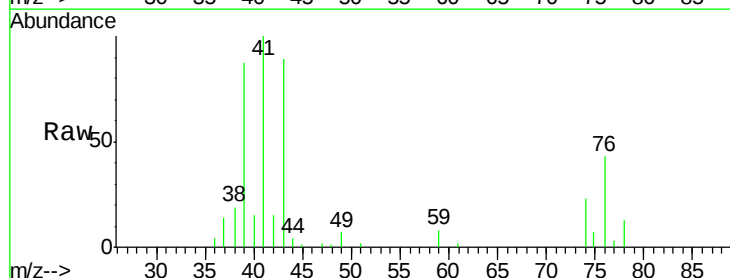
Acq: 20 Feb 2020 11:33

Tgt Ion: 43 Resp: 38140

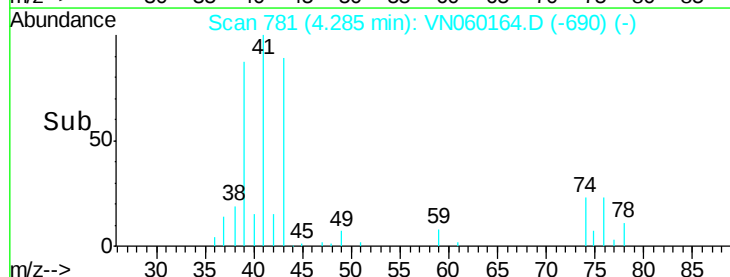
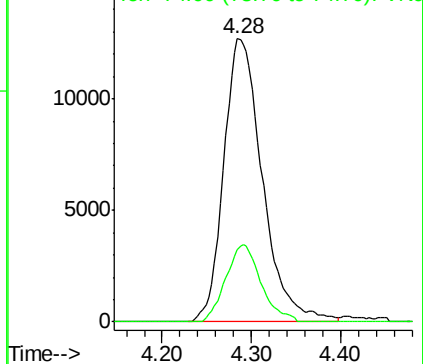
Ion Ratio Lower Upper

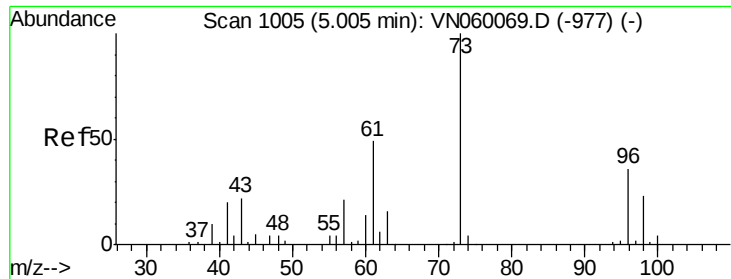
43 100

74 24.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN060164.D (-690) (-)





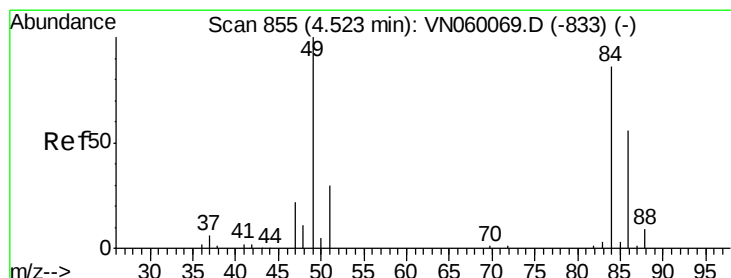
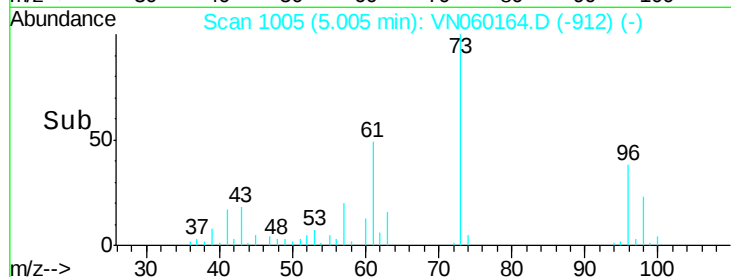
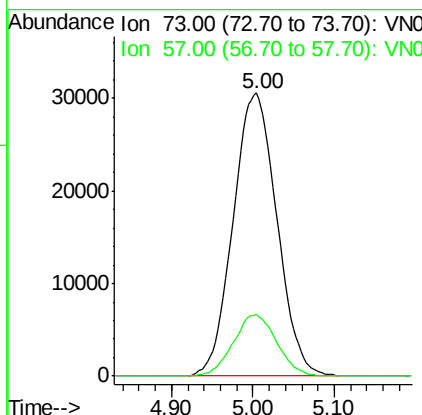
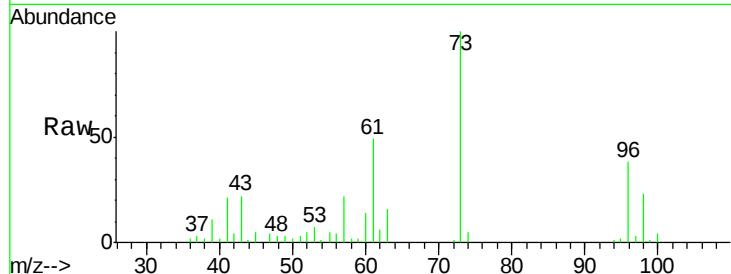
#19
Methvl tert-butvl Ether
Concen: 18.848 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion: 73 Resp: 113700
Ion Ratio Lower Upper
73 100
57 21.8 17.2 25.8

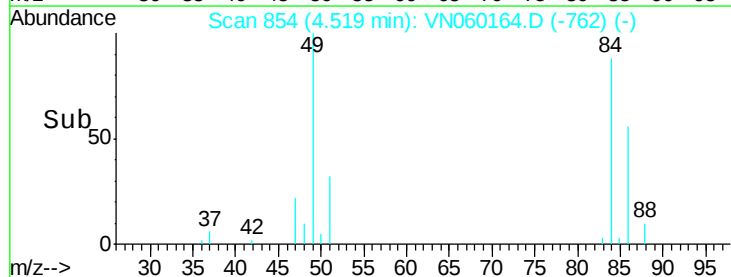
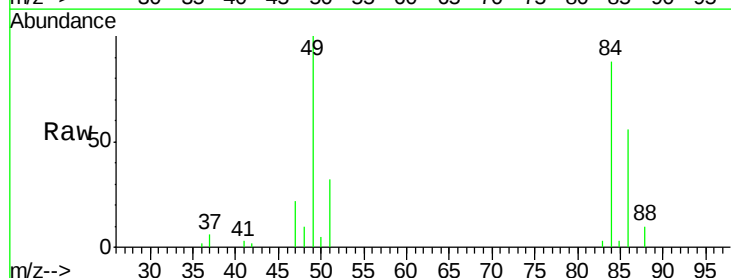
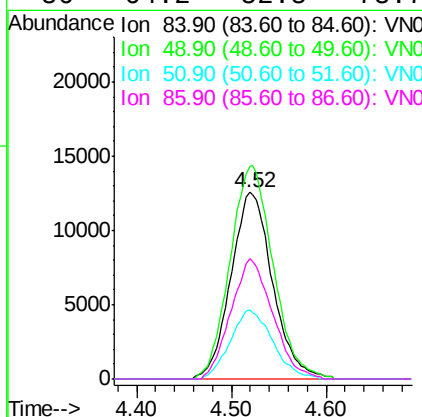
Manual Integrations
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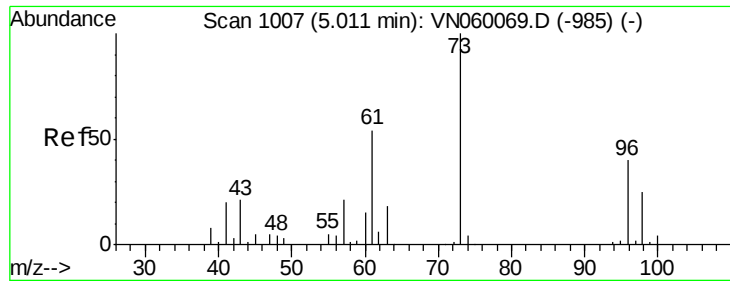
MMDadoda
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#20
Methylene Chloride
Concen: 19.168 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion: 84 Resp: 38511
Ion Ratio Lower Upper
84 100
49 114.0 93.4 140.0
51 36.8 28.4 42.6
86 64.2 52.5 78.7





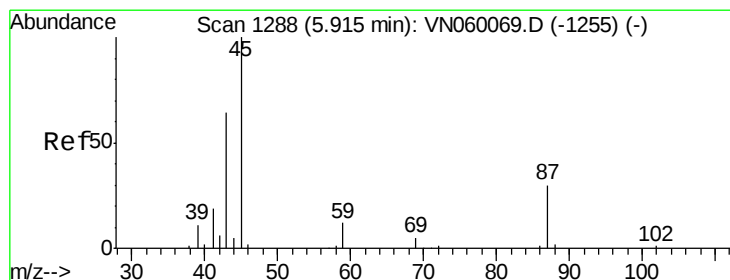
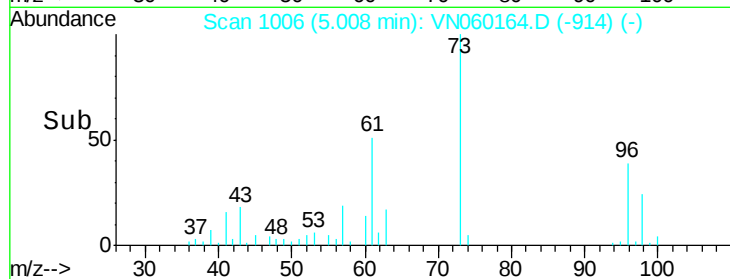
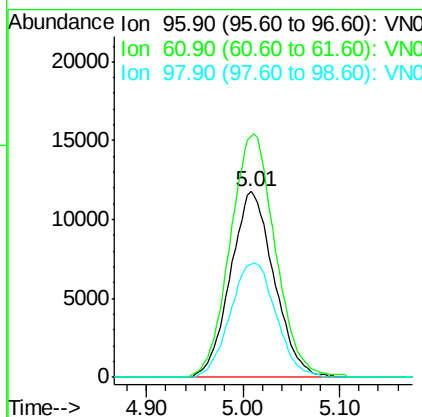
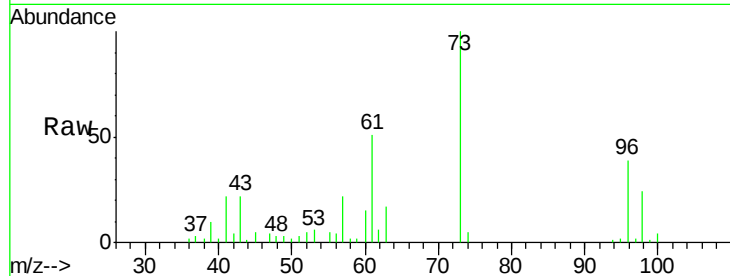
#21
trans-1,2-Dichloroethene
Concen: 18.886 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	109.3	163.9
98	61.0	51.0	76.6

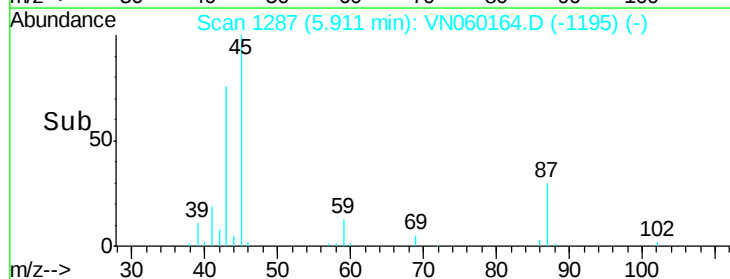
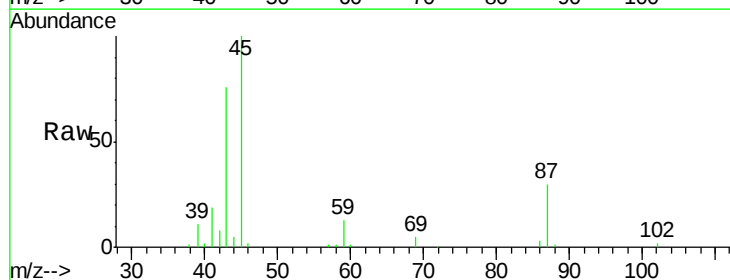
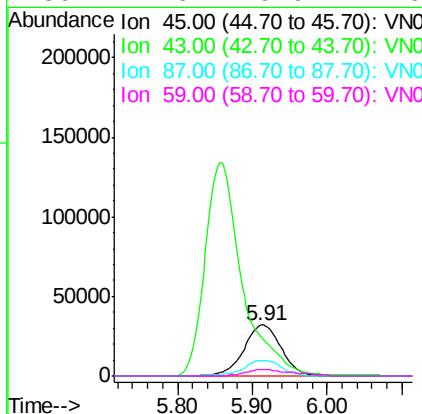
Manual Integrations
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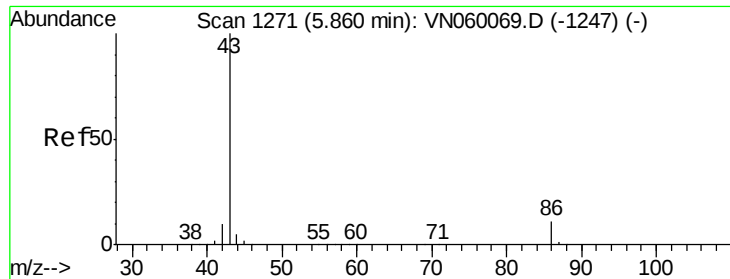
MMDadoda
2/21/2020 9:14:34 AM



#22
Diisopropyl ether
Concen: 19.185 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.0	55.9	83.9
87	30.2	24.5	36.7
59	12.6	9.9	14.9





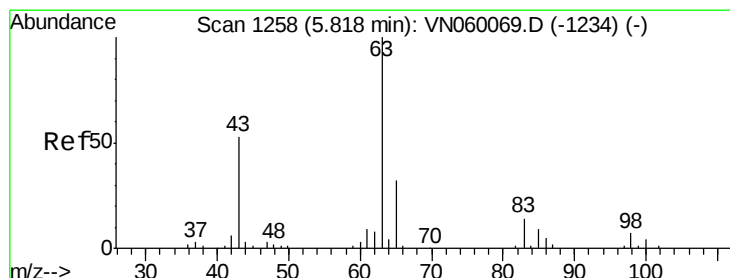
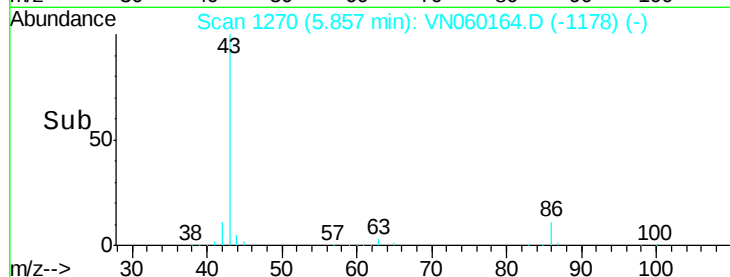
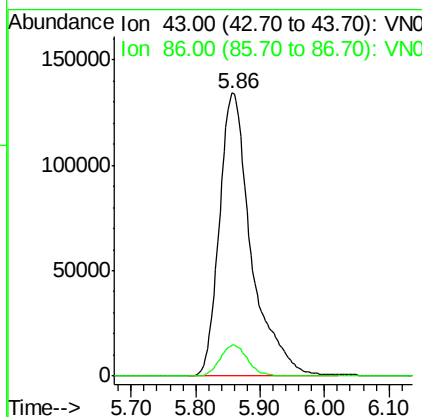
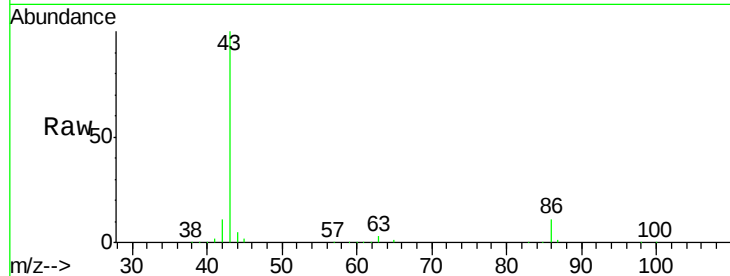
#23
 Vinyl Acetate
 Concen: 95.368 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Tot Ion	43	Resp	463419
Ion Ratio	100	Lower	Upper
43	100		
86	10.8	8.9	13.3

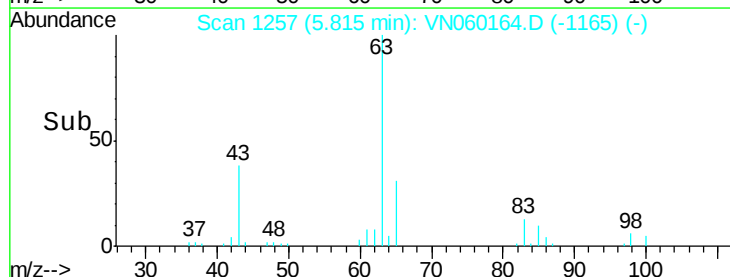
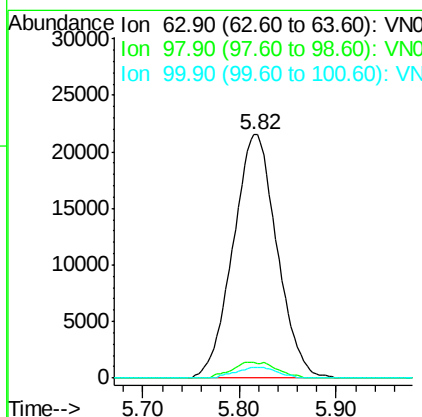
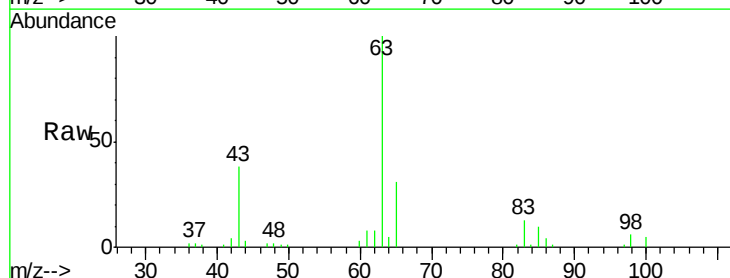
Manual Integrations
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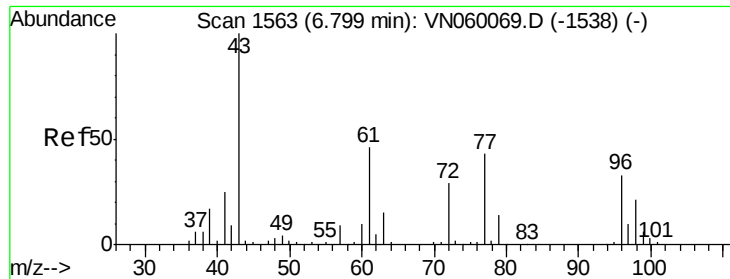
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.324 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion	63	Resp	67739
Ion Ratio	100	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.6	2.2	6.6





#25

2-Butanone

Concen: 90.124 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBS01

Tot Ion: 43 Resp: 114147

Ion Ratio Lower Upper

43 100

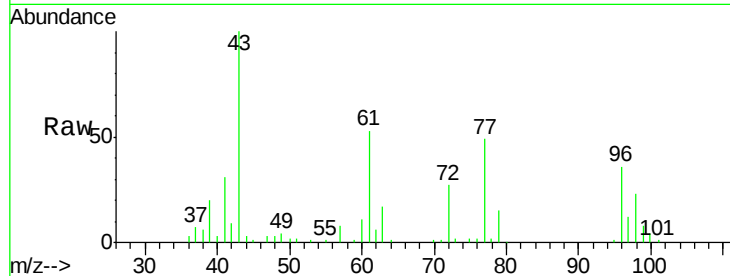
72 26.6 23.3 34.9

Manual Integrations

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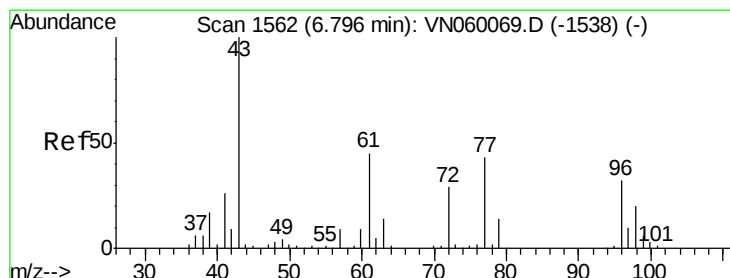
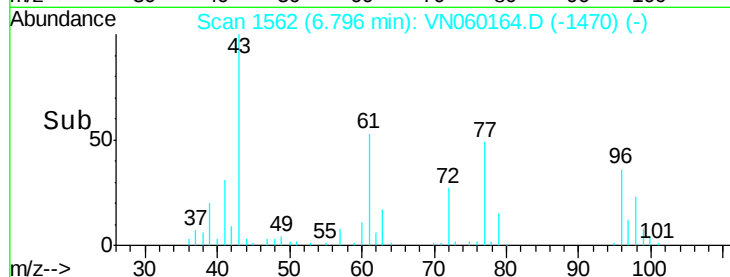
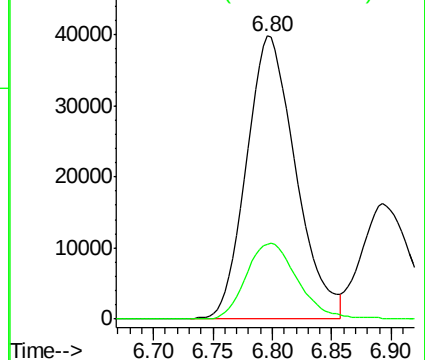
MMDadoda

2/21/2020 9:14:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.122 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060164.D

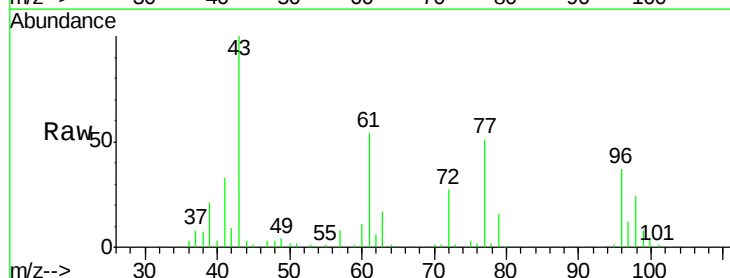
Acq: 20 Feb 2020 11:33

Tgt Ion: 77 Resp: 63666

Ion Ratio Lower Upper

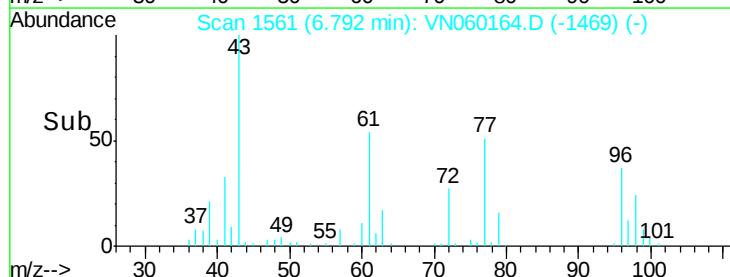
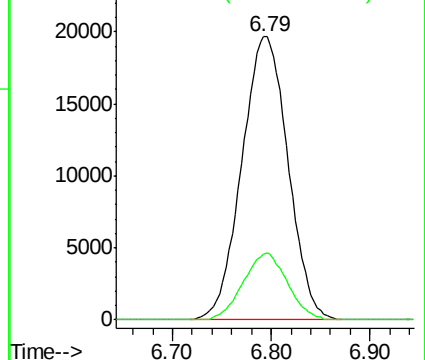
77 100

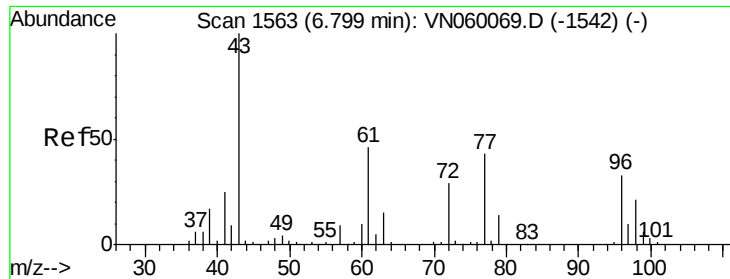
97 22.5 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 18.694 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

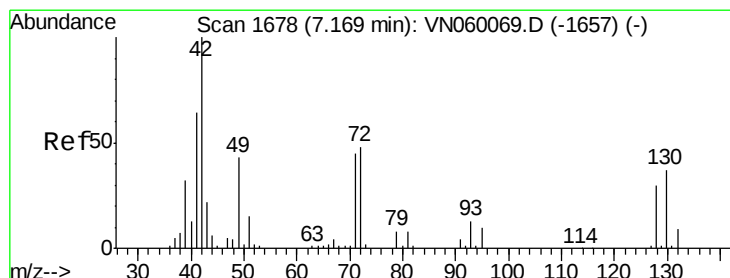
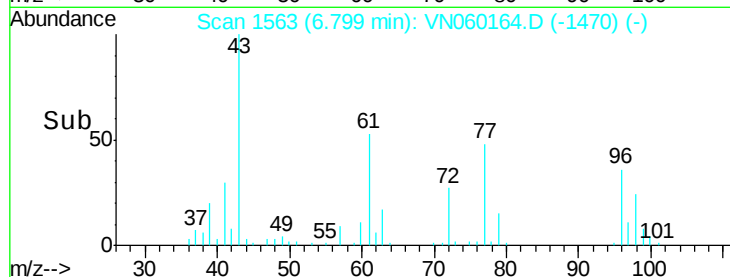
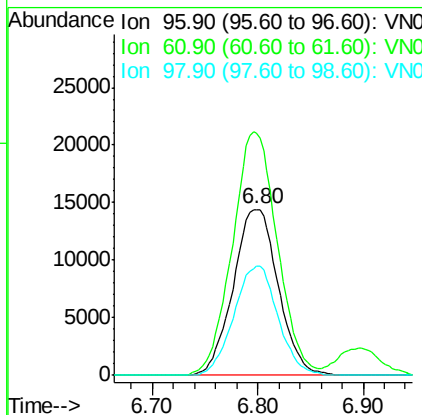
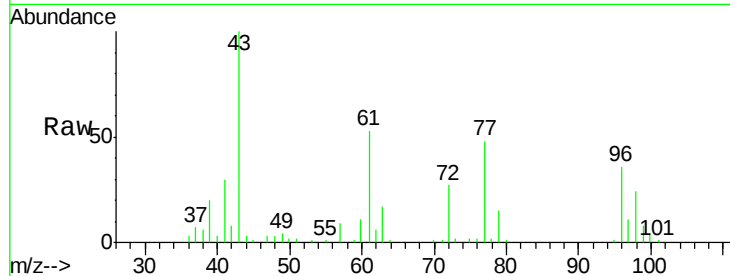
ClientSampleId :

VN0220WBS01

Tot Ion:	96	Resp:	42780
Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	285.8
98	64.3	0.0	129.6

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#28

Bromochloromethane

Concen: 19.288 ug/l

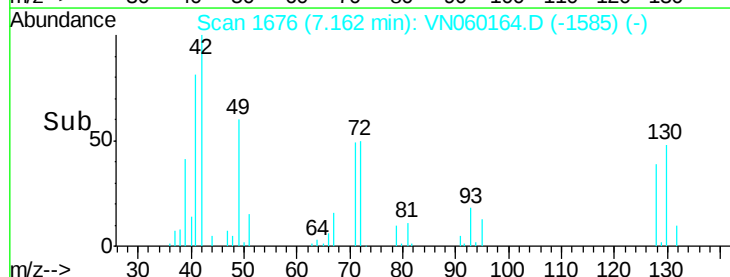
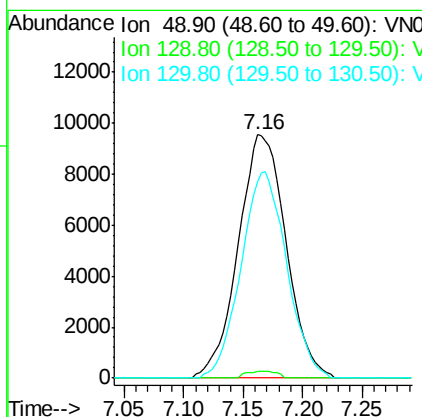
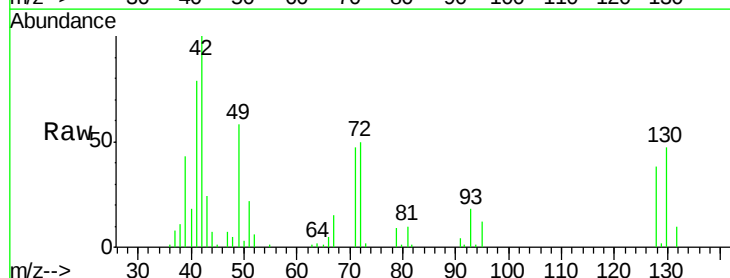
RT: 7.16 min Scan# 1676

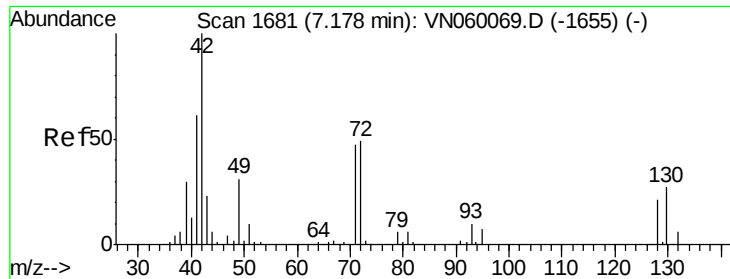
Delta R.T. -0.01 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Tgt Ion:	49	Resp:	26580
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.2
130	80.8	66.8	100.2





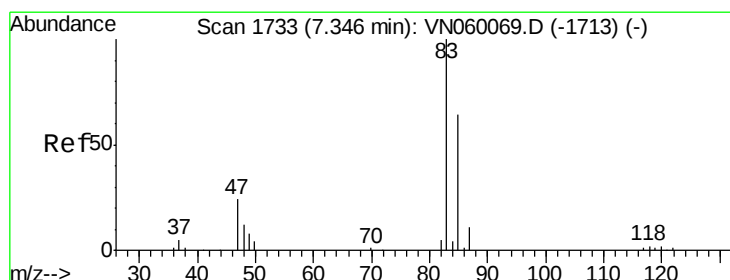
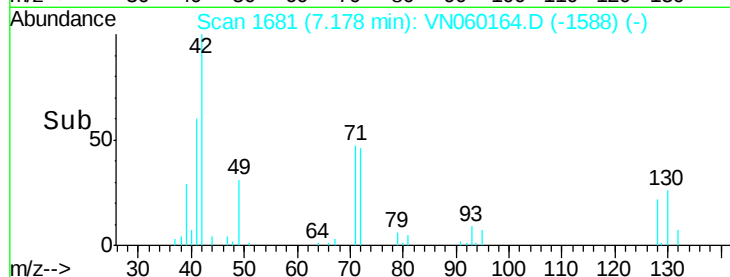
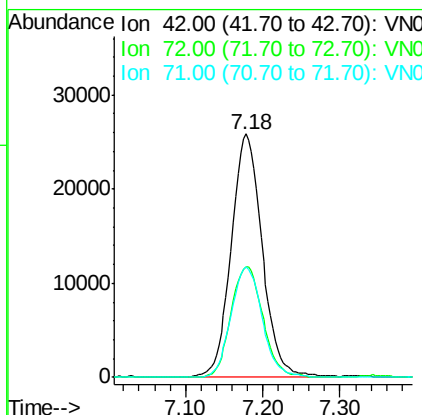
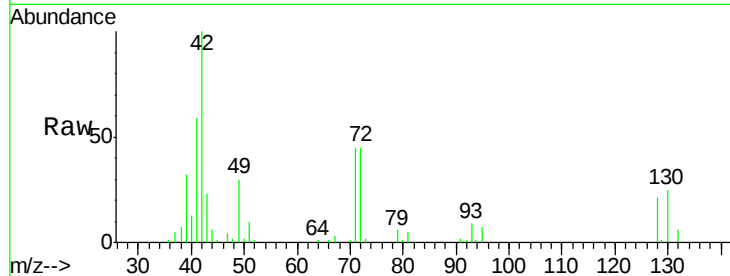
#29
Tetrahydrofuran
Concen: 92.659 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	38.2	57.4
71	45.6	36.6	54.8

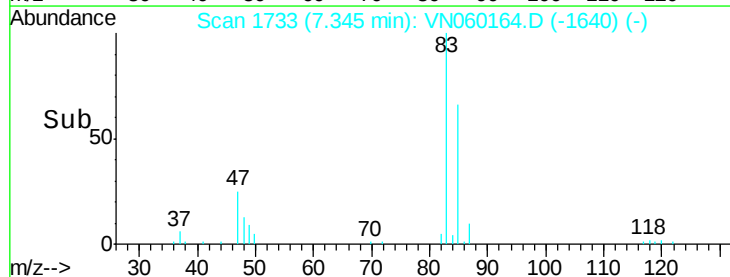
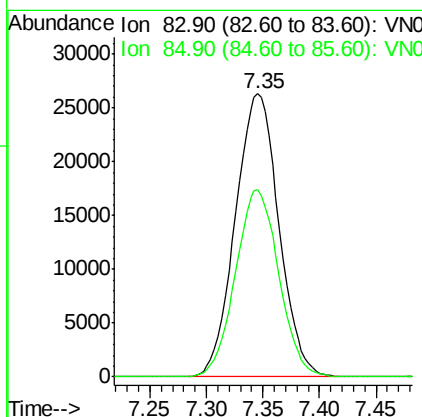
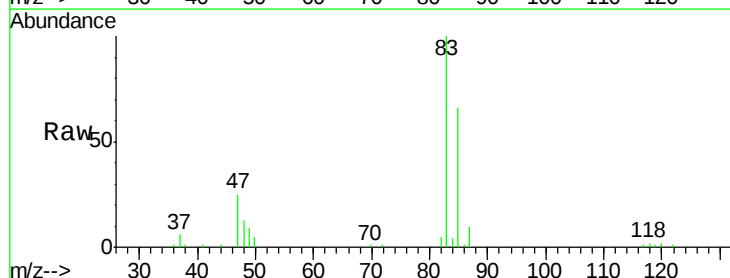
Manual Integrations
APPROVED

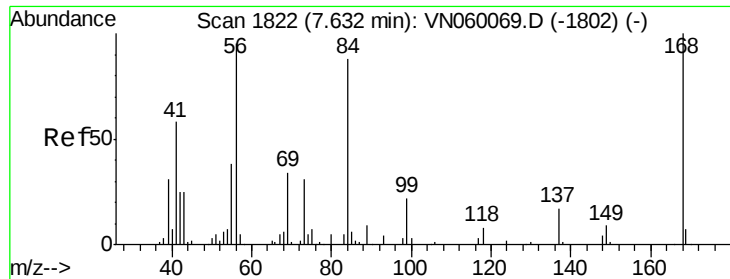
MMDadoda
2/21/2020 9:14:34 AM



#30
Chloroform
Concen: 19.184 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.4	77.0





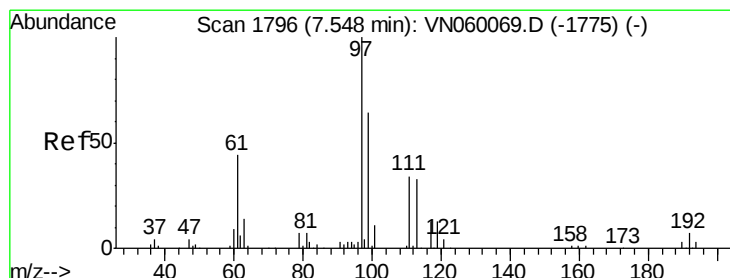
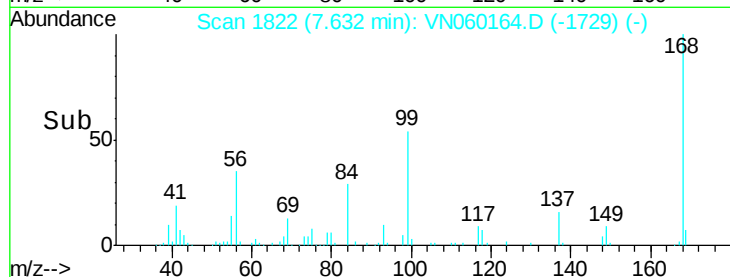
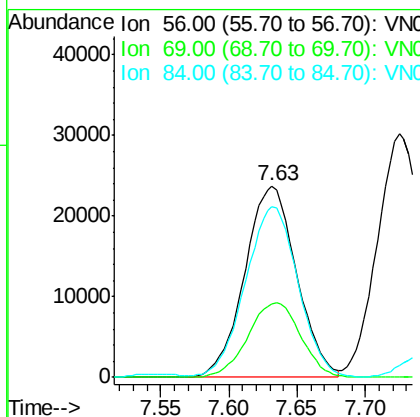
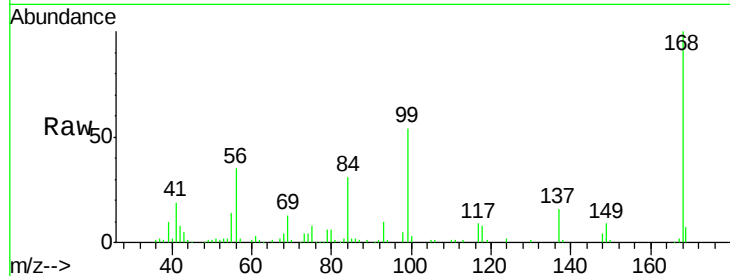
#31
Cyclohexane
Concen: 19.182 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	28.3	42.5
84	87.9	72.6	108.8

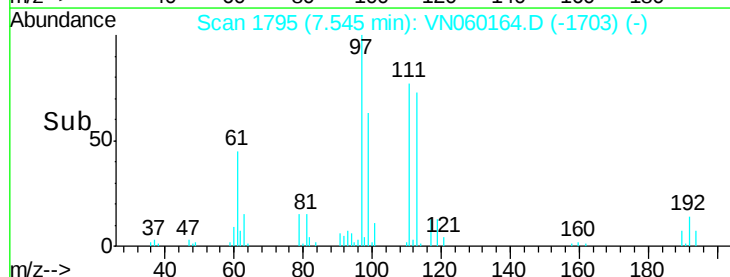
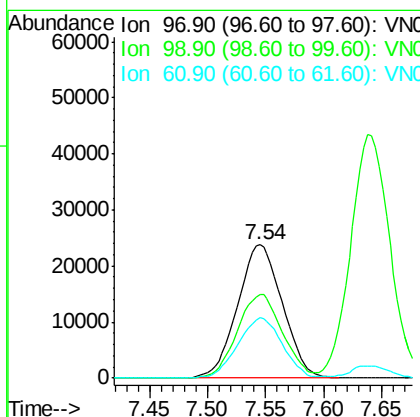
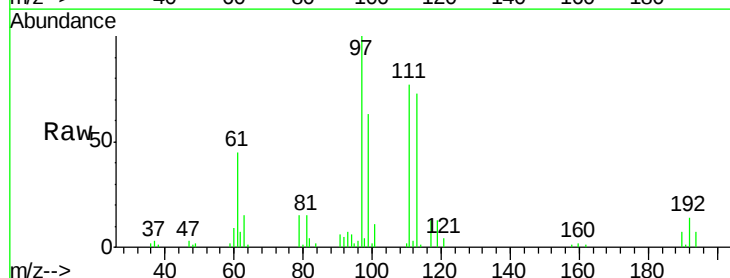
Manual Integrations
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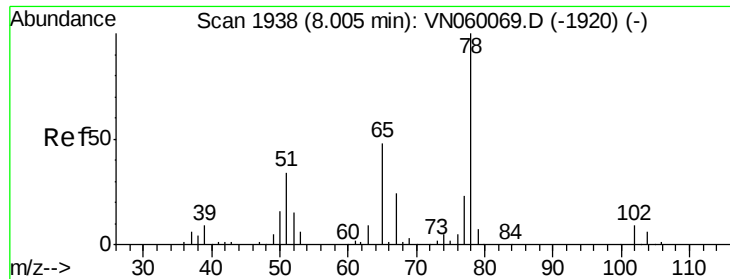
MMDadoda
2/21/2020 9:14:34 AM



#32
1,1,1-Trichloroethane
Concen: 19.018 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.4	77.0
61	45.2	34.9	52.3





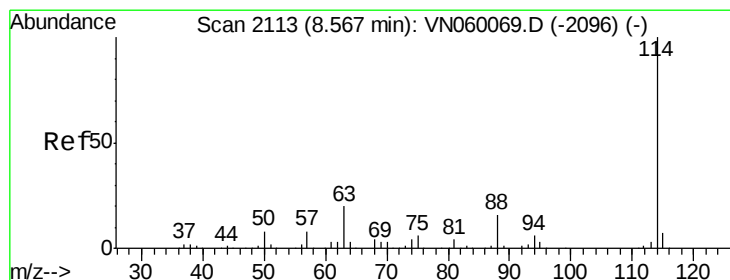
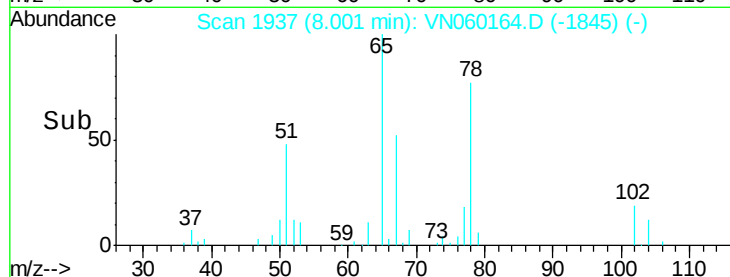
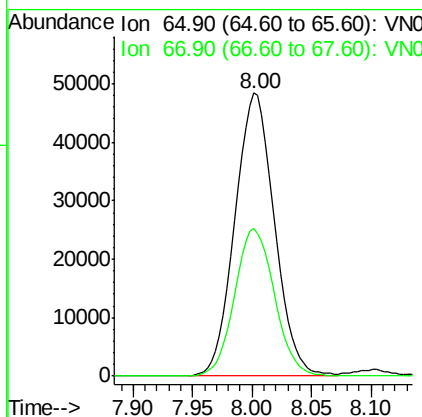
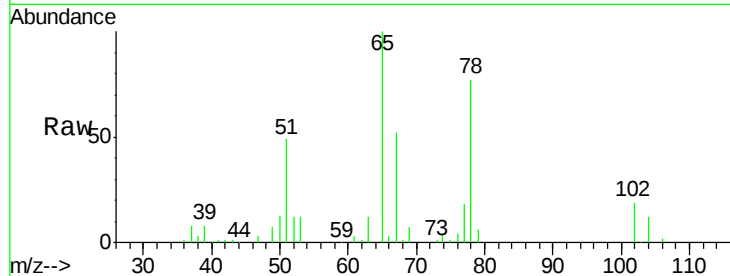
#33
 1,2-Dichloroethane-d4
 Concen: 48.403 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	104.0	

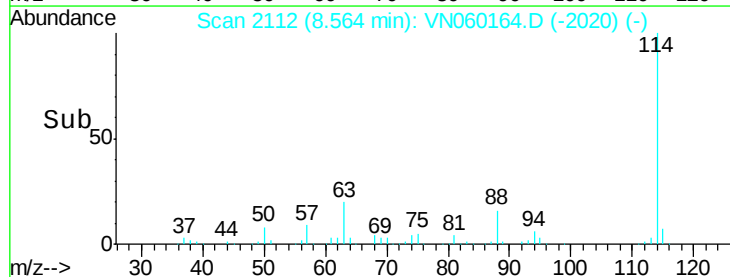
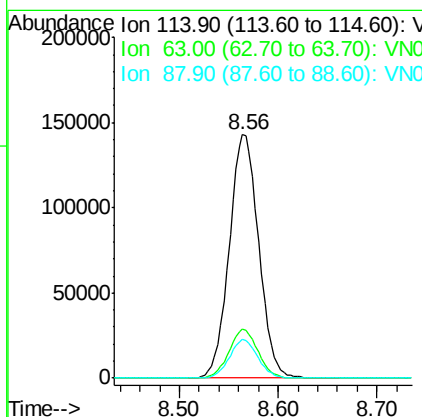
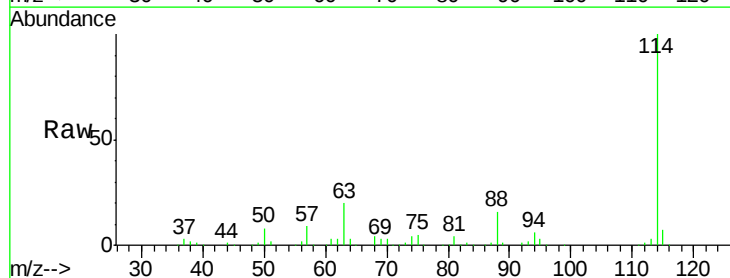
Manual Integrations
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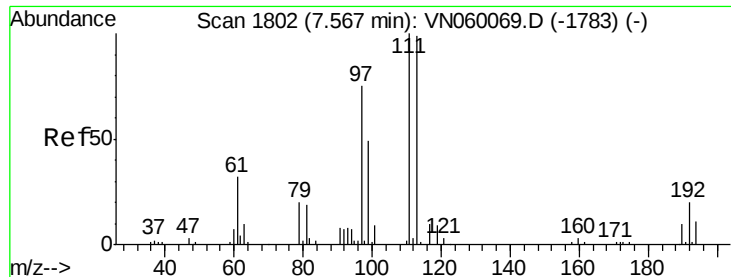
MMDadoda
 2/21/2020 9:14:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	40.0	
88	15.7	0.0	31.6	





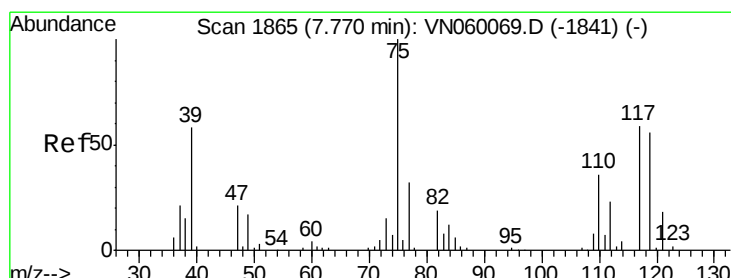
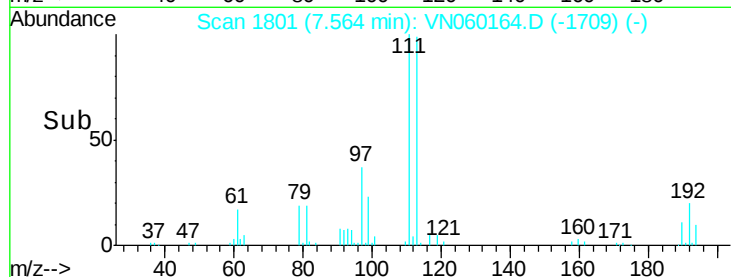
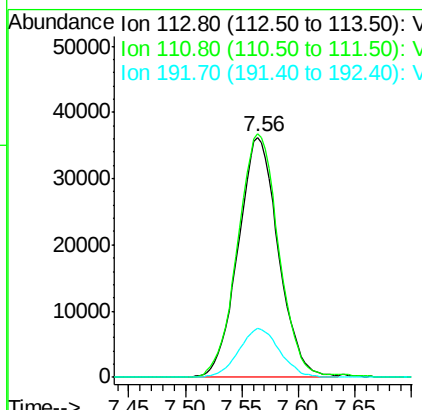
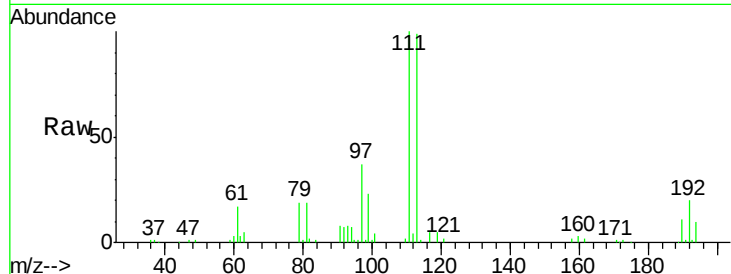
#35
 Dibromofluoromethane
 Concen: 48.953 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	20.7	16.2	24.2

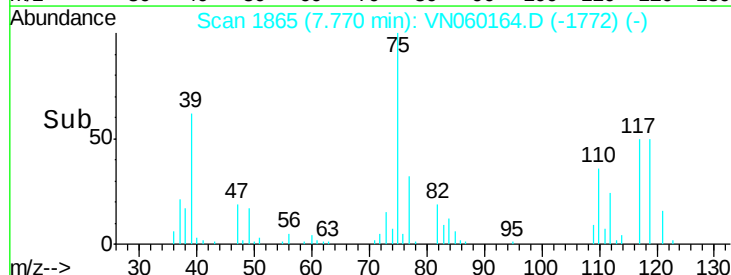
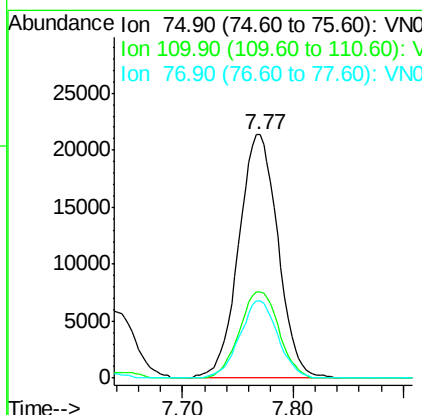
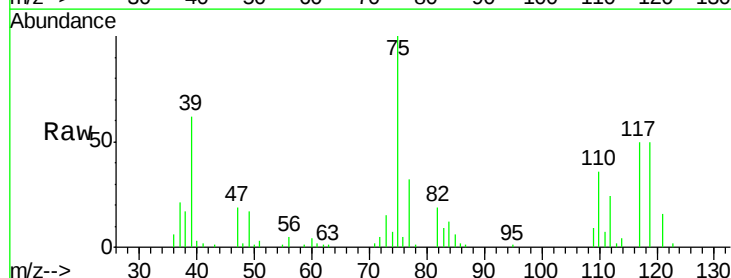
Manual Integrations
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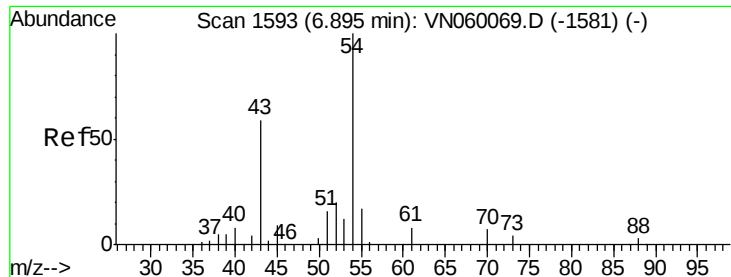
MMDadoda
 2/21/2020 9:14:34 AM



#36
 1,1-Dichloropropene
 Concen: 19.120 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.3
77	30.9	25.1	37.7





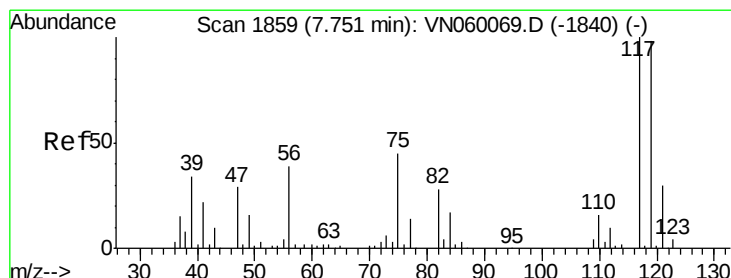
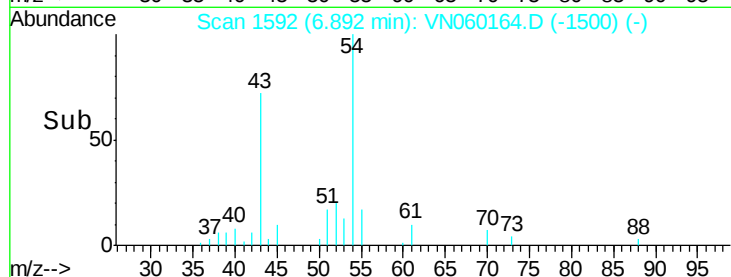
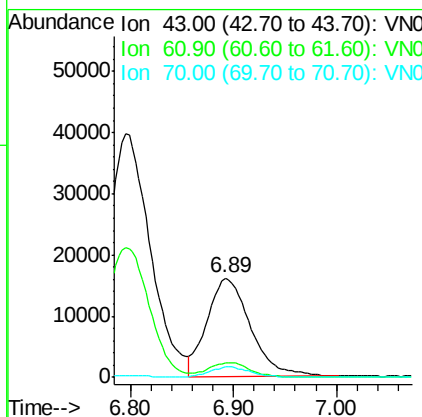
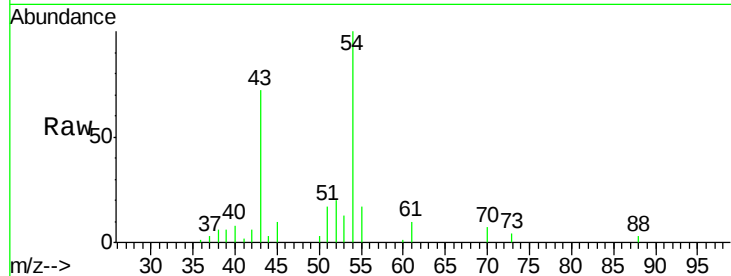
#37
Ethyl Acetate
Concen: 18.861 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampled :
VN0220WBS01

Tot Ion	43	61	70
Resp	46994		
Ratio	100	14.4	9.9
Lower		11.4	8.7
Upper		17.2	13.1

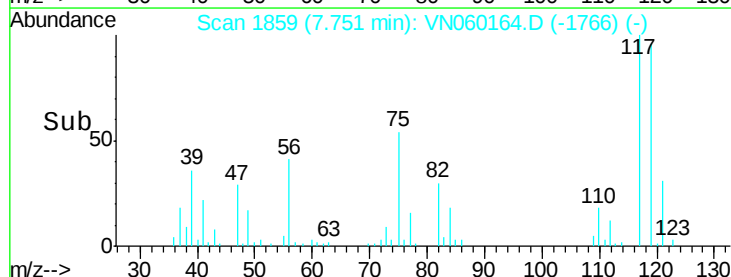
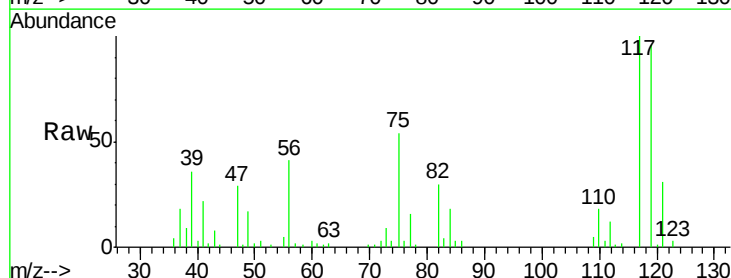
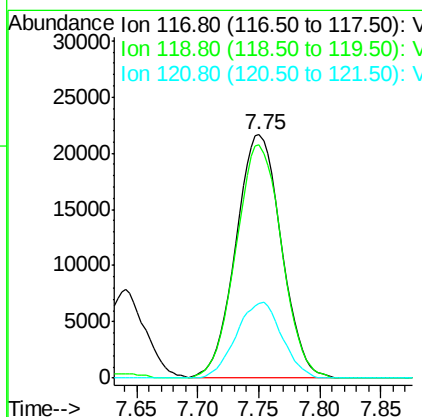
Manual Integrations
APPROVED

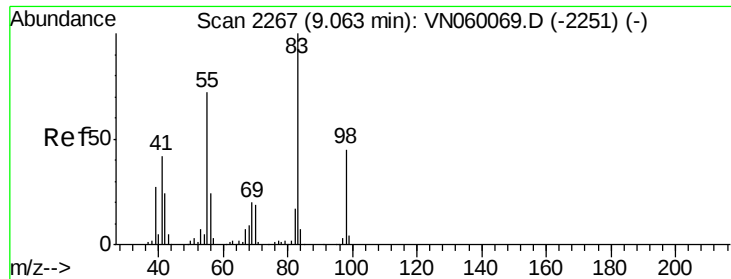
MMDadoda
2/21/2020 9:14:34 AM



#38
Carbon Tetrachloride
Concen: 18.701 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	117	119	121
Resp	55992		
Ratio	100	96.0	30.9
Lower		78.2	24.2
Upper		117.4	36.2





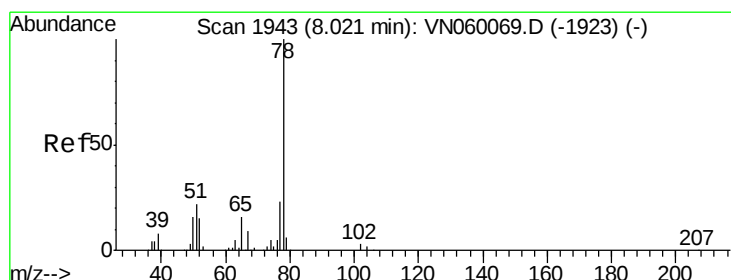
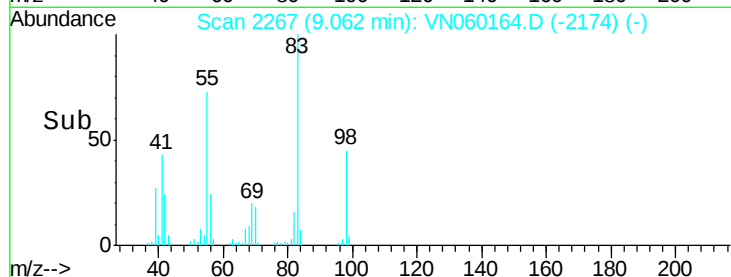
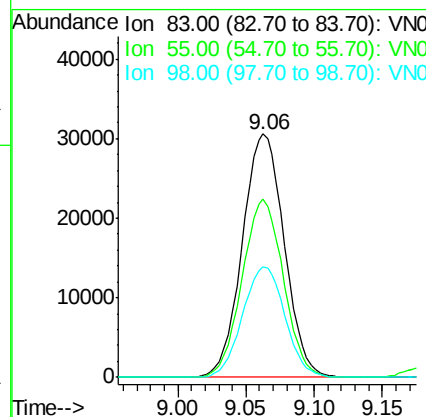
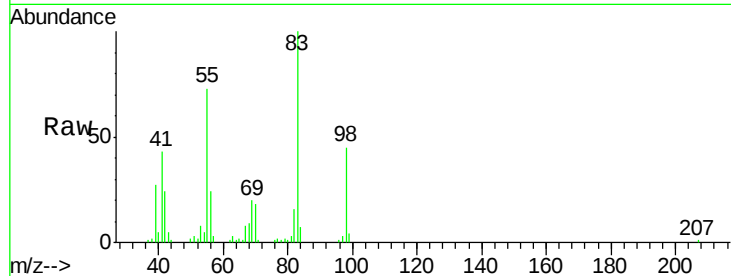
#39
Methvlcvclohexane
Concen: 19.057 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	57.8	86.8
98	45.4	36.4	54.6

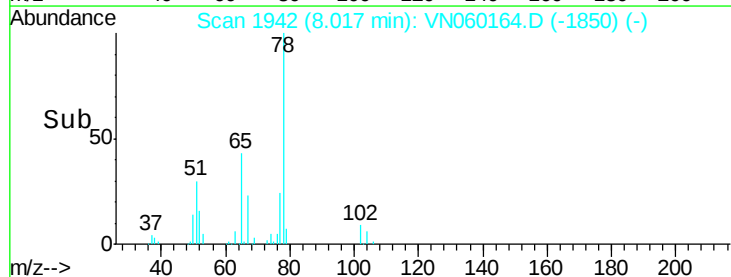
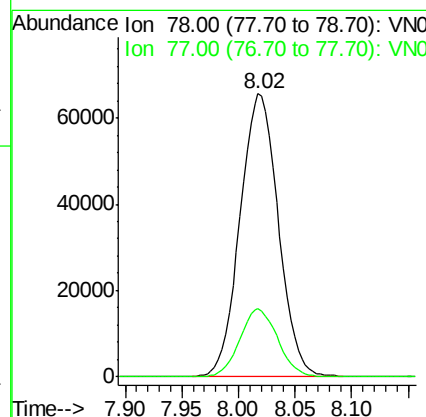
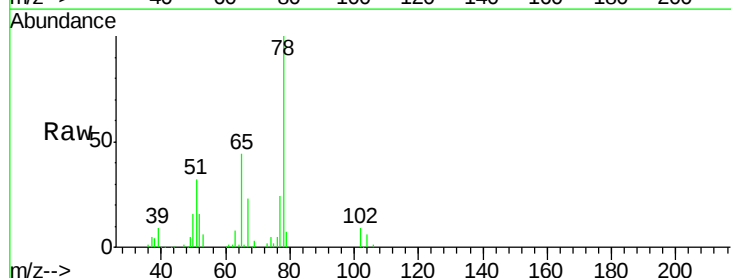
Manual Integrations
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2/21/2020 9:14:34 AM



#40
Benzene
Concen: 18.927 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





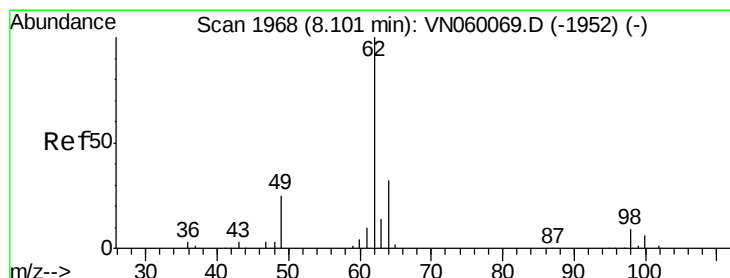
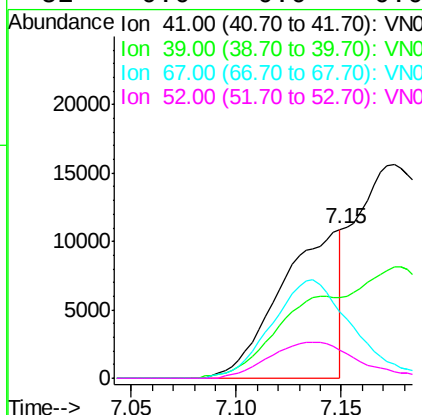
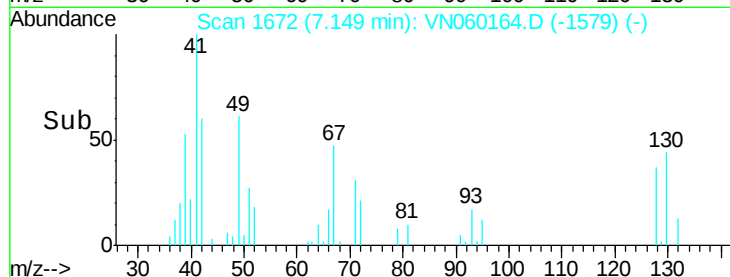
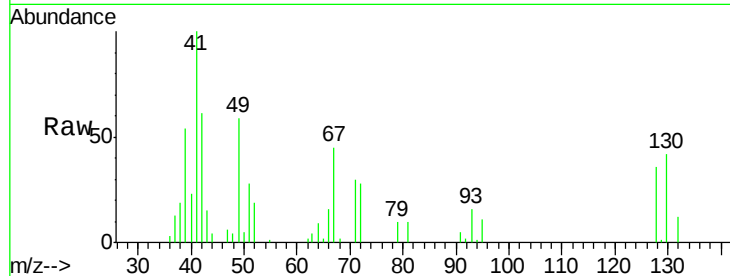
#41
Methacrylonitrile
Concen: 20.836 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	41.00	Resp	21772
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

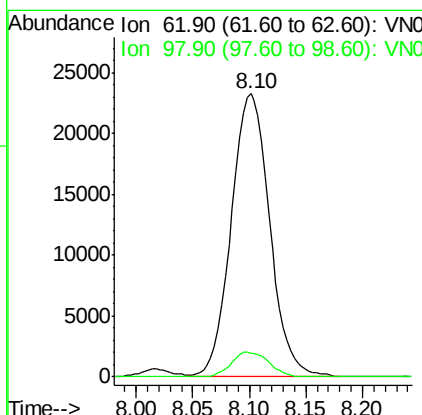
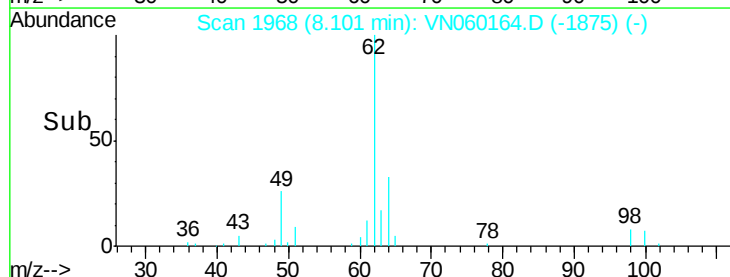
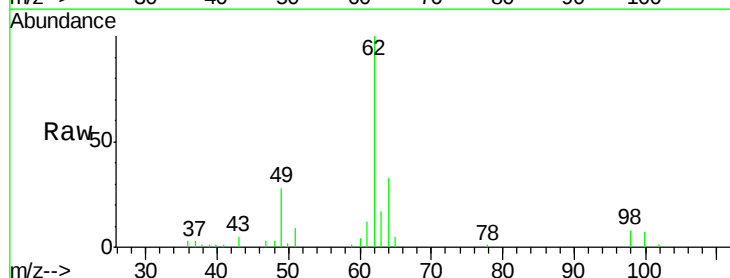
Manual Integrations
APPROVED

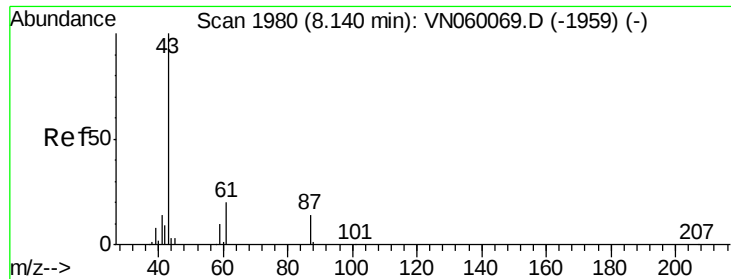
MMDadoda
2/21/2020 9:14:34 AM



#42
1,2-Dichloroethane
Concen: 19.276 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	62	Resp	55250
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2





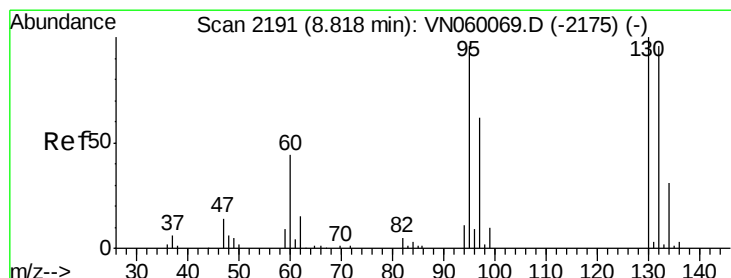
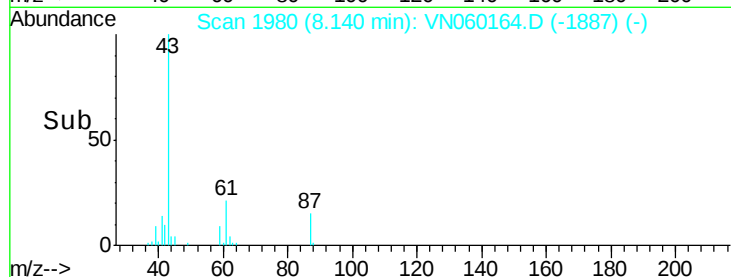
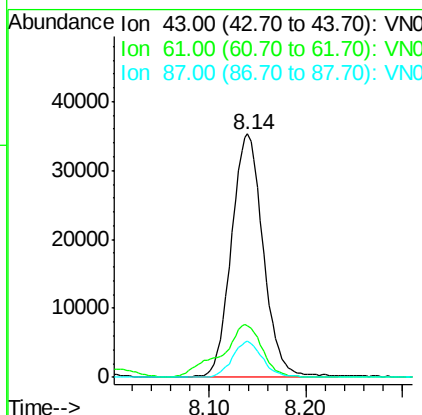
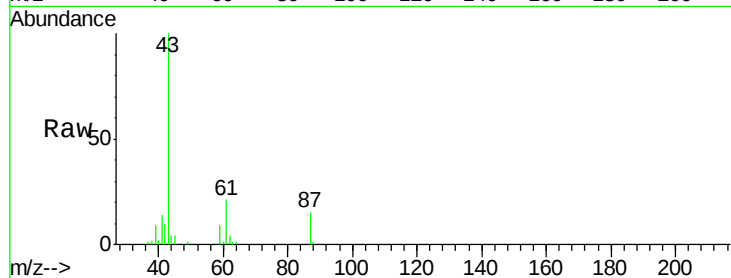
#43
Isopropyl Acetate
Concen: 18.953 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	21.8	32.6
87	13.9	11.4	17.2

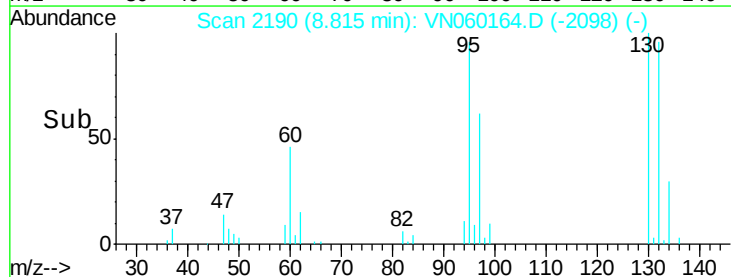
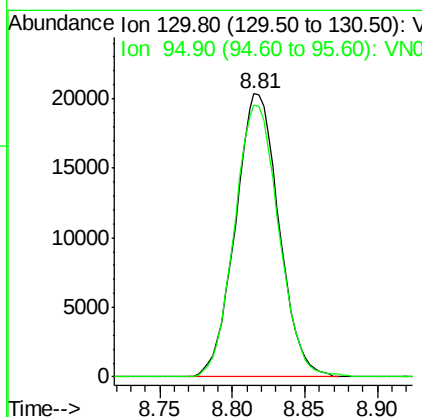
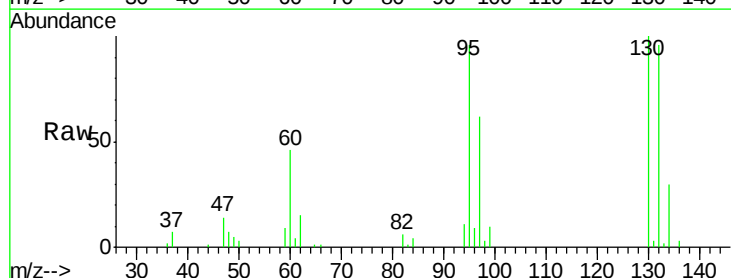
Manual Integrations
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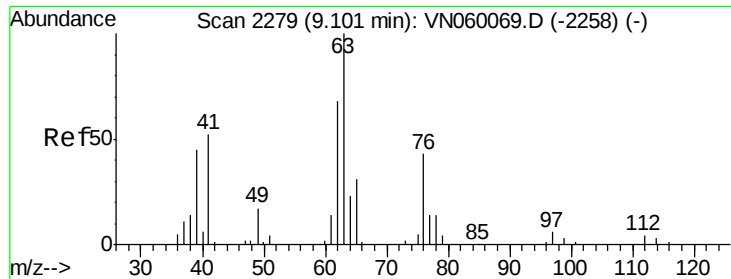
MMDadoda
2/21/2020 9:14:34 AM



#44
Trichloroethene
Concen: 18.722 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	192.4





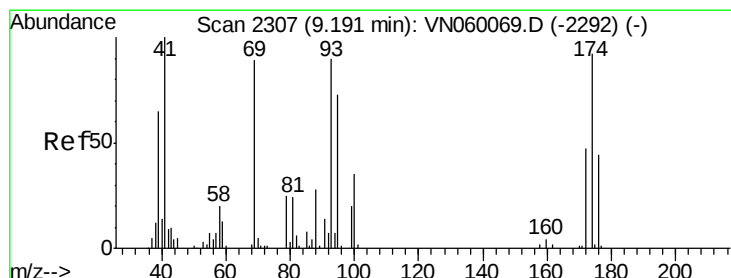
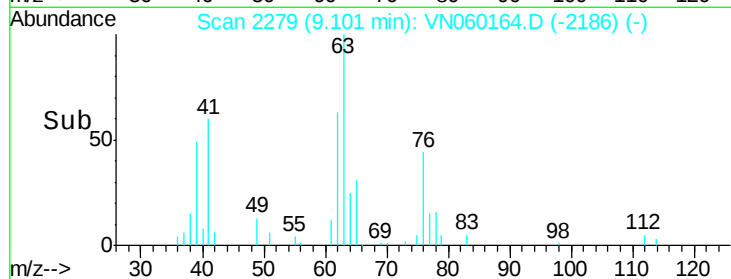
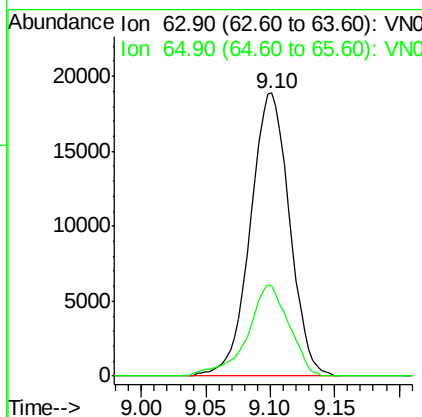
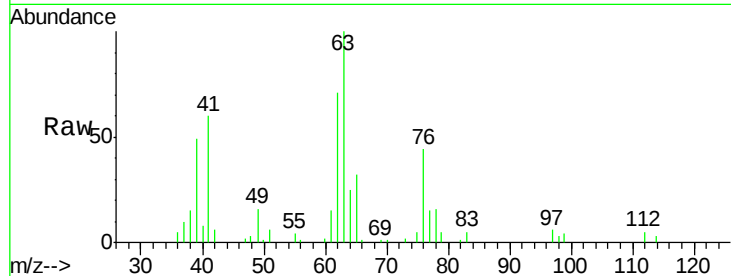
#45
 1,2-Dichloropropane
 Concen: 19.767 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Tot Ion: 63 Resp: 40022
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.4

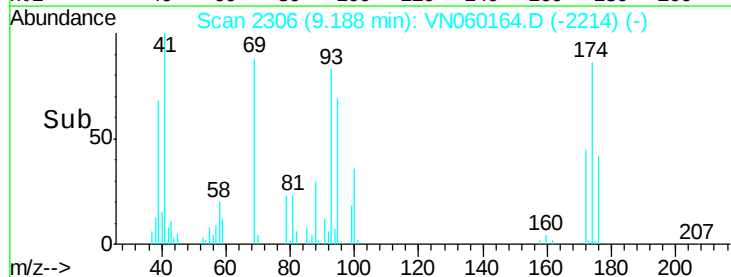
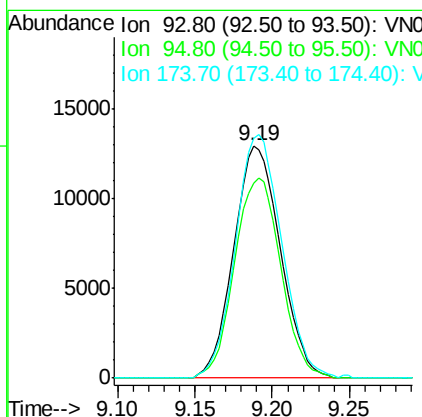
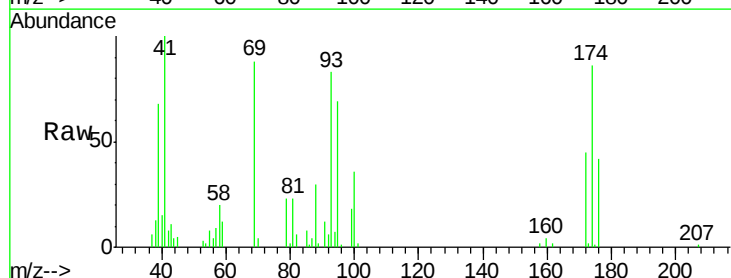
Manual Integrations
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MMDadoda
 2/21/2020 9:14:34 AM



#46
 Dibromomethane
 Concen: 18.889 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion: 93 Resp: 27026
 Ion Ratio Lower Upper
 93 100
 95 85.7 65.0 97.6
 174 104.3 82.3 123.5





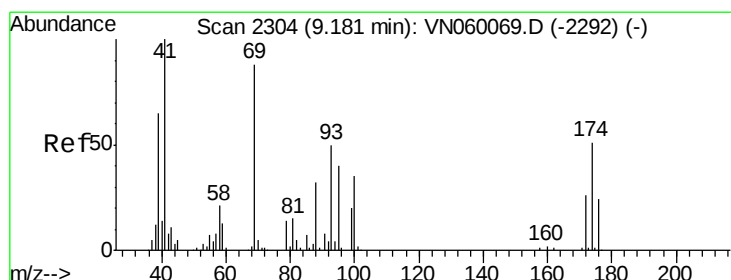
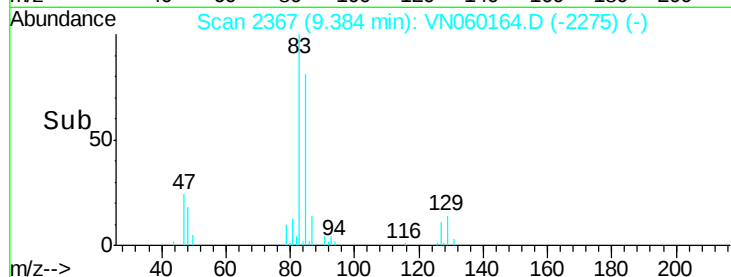
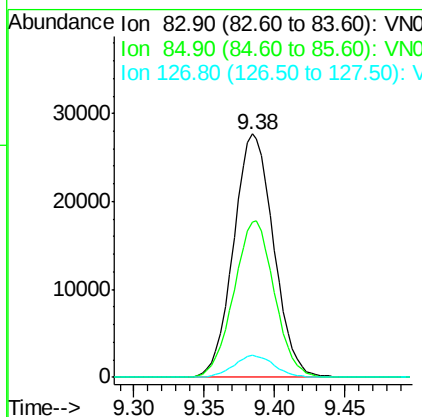
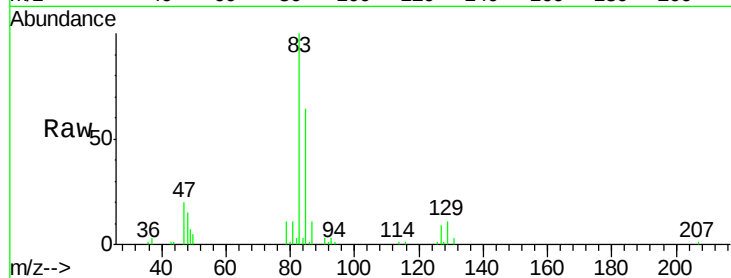
#47
Bromodichloromethane
Concen: 18.916 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	55023		
85	63.9		50.6	75.8
127	8.9		7.0	10.6

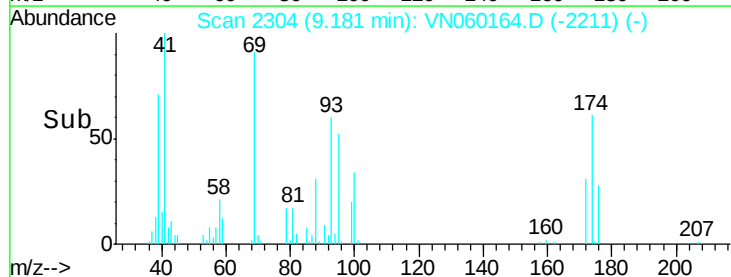
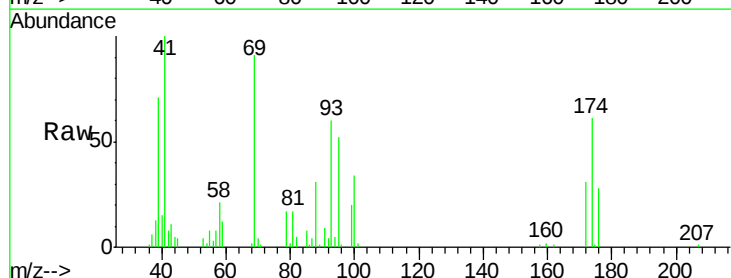
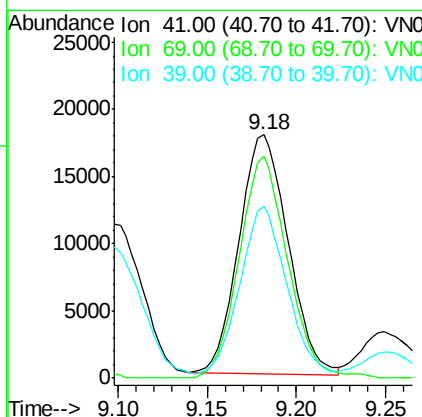
Manual Integrations
APPROVED

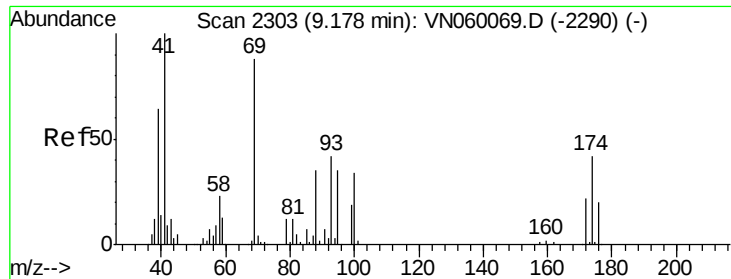
MMDadoda
2/21/2020 9:14:34 AM



#48
Methyl methacrylate
Concen: 17.903 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	34212		
69	91.7		72.0	108.0
39	70.4		54.1	81.1





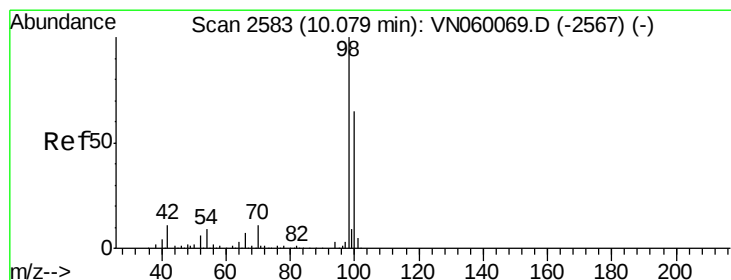
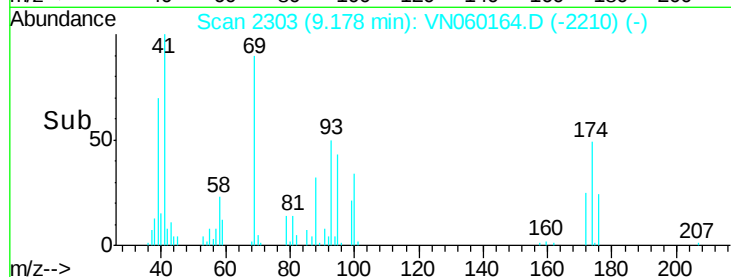
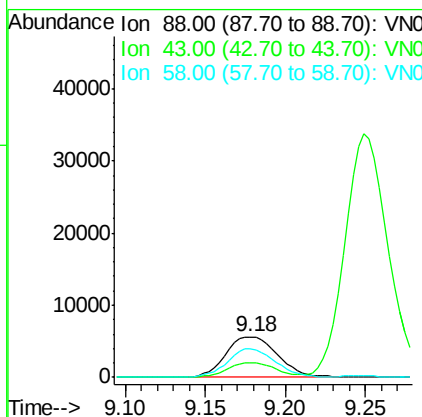
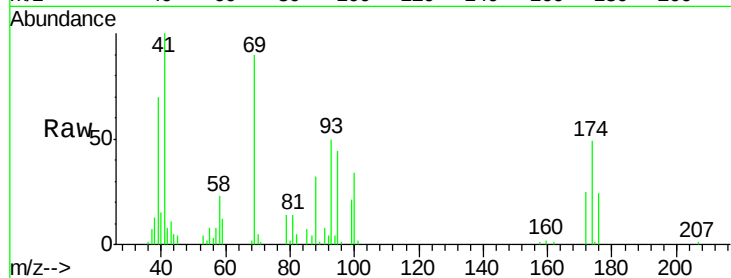
#49
1,4-Dioxane
Concen: 382.565 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	26.2	39.2
58	65.2	53.2	79.8

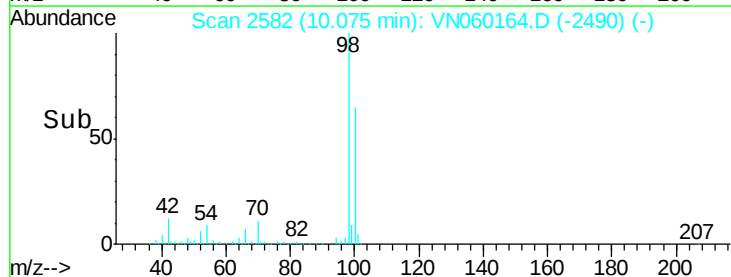
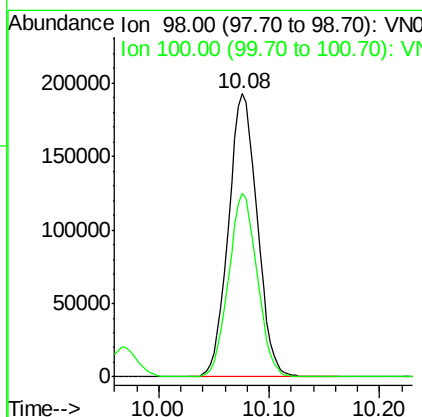
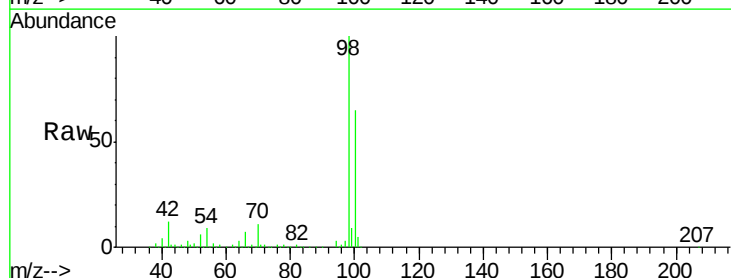
Manual Integrations
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2/21/2020 9:14:34 AM



#50
Toluene-d8
Concen: 48.448 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 93.750 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBS01

Tot Ion: 43 Resp: 231121

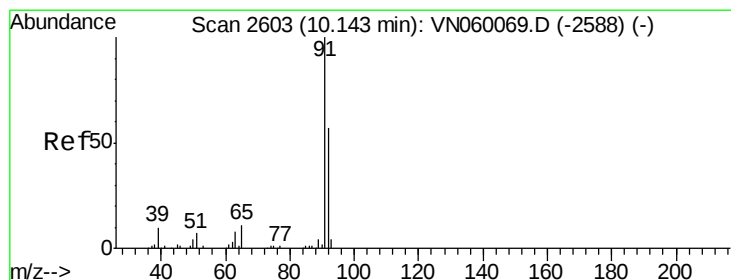
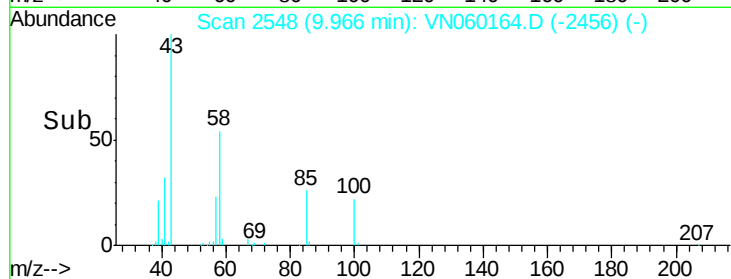
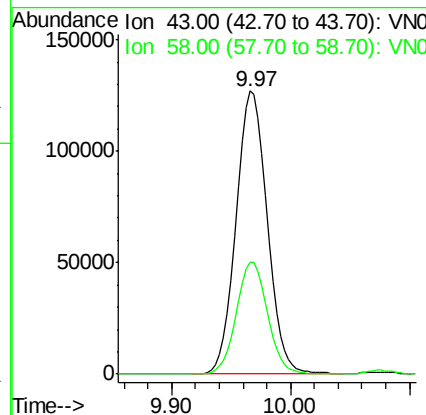
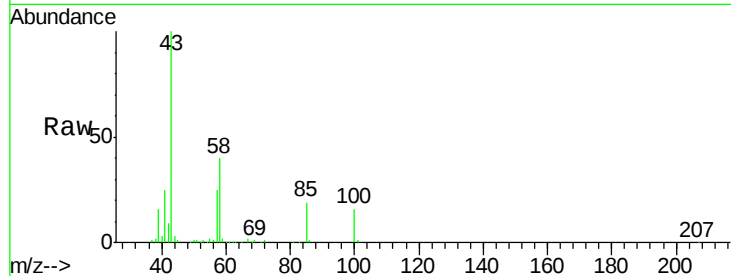
Ion Ratio Lower Upper

43 100

58 39.4 31.8 47.8

Manual Integrations
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2/21/2020 9:14:34 AM



#52

Toluene

Concen: 19.353 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060164.D

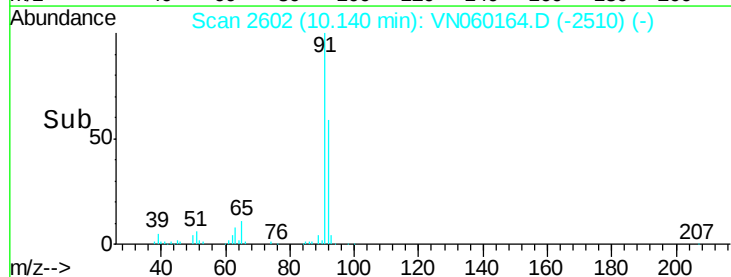
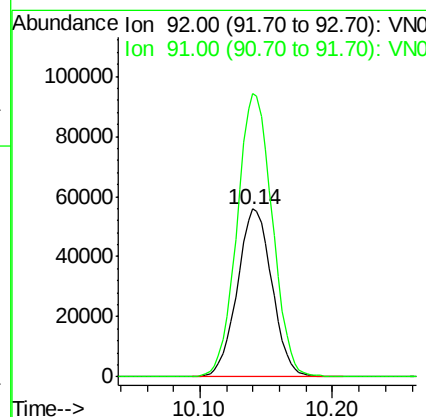
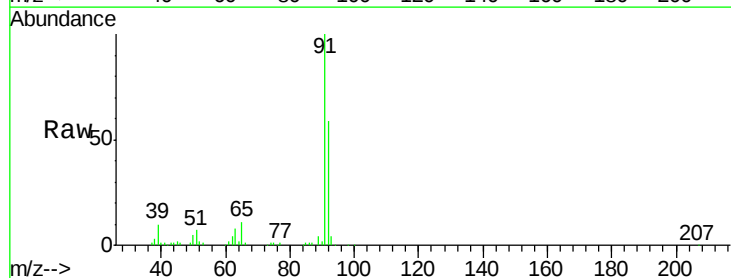
Acq: 20 Feb 2020 11:33

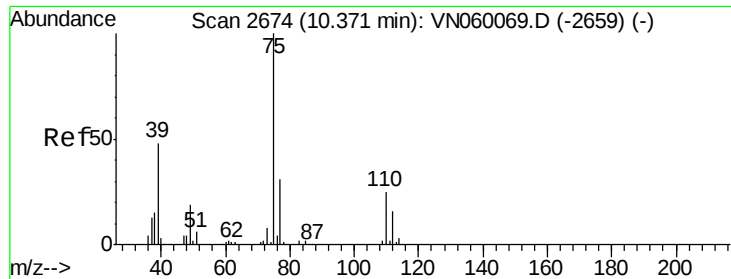
Tgt Ion: 92 Resp: 101490

Ion Ratio Lower Upper

92 100

91 171.6 140.9 211.3





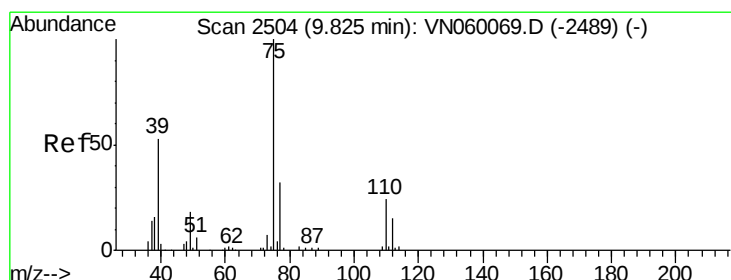
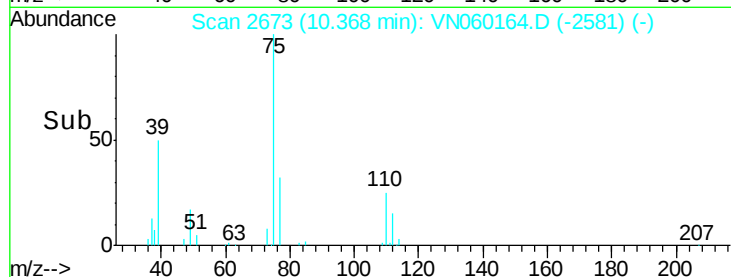
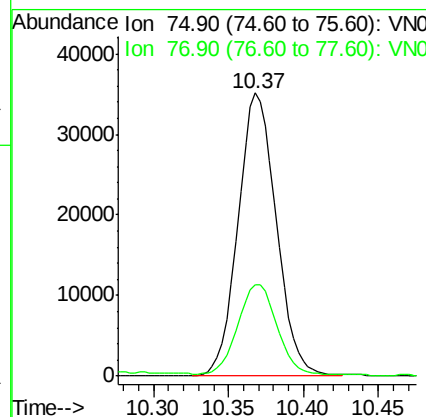
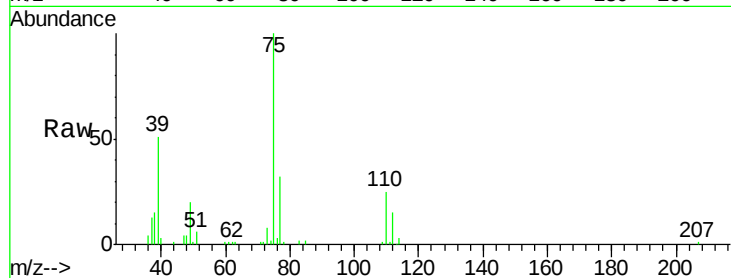
#53
t-1,3-Dichloropropene
Concen: 19.069 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion: 75 Resp: 62613
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0

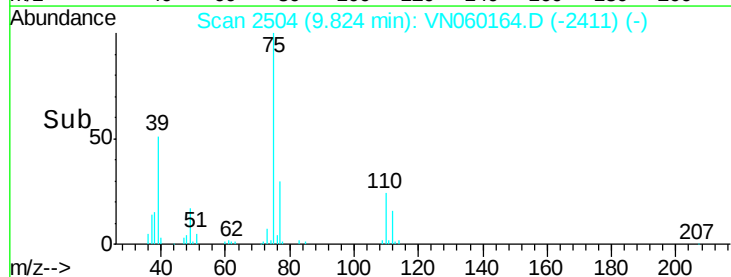
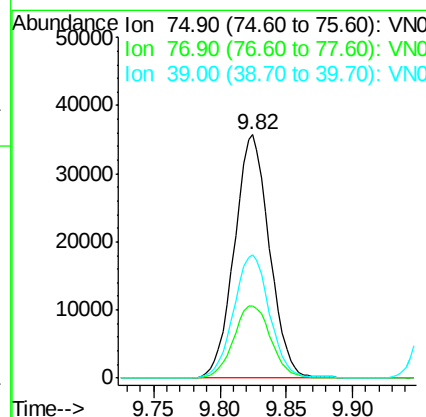
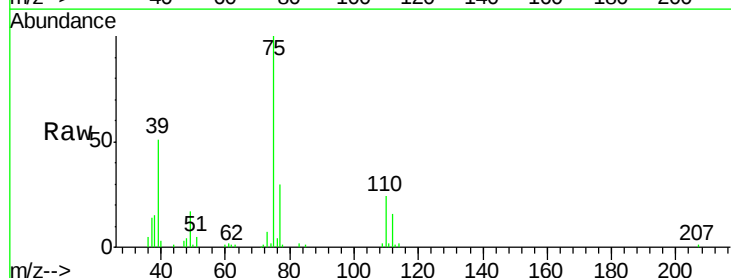
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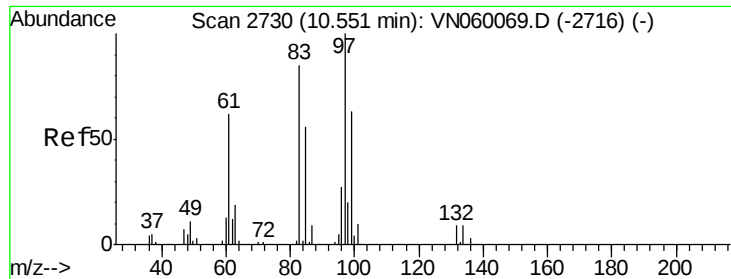
MMDadoda
2/21/2020 9:14:34 AM



#54
cis-1,3-Dichloropropene
Concen: 18.956 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion: 75 Resp: 65542
Ion Ratio Lower Upper
75 100
77 29.9 25.6 38.4
39 50.8 42.2 63.4





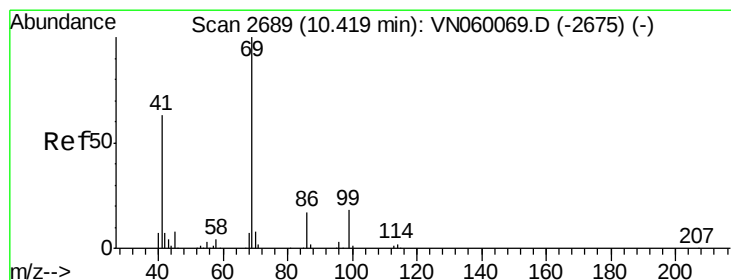
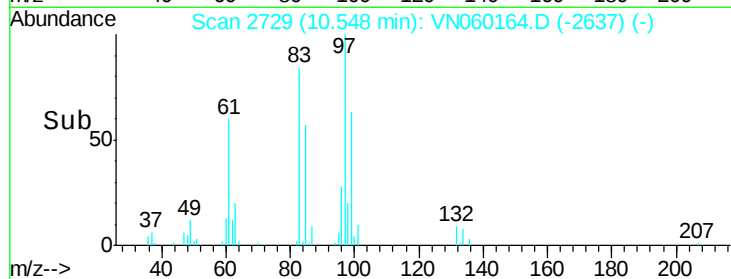
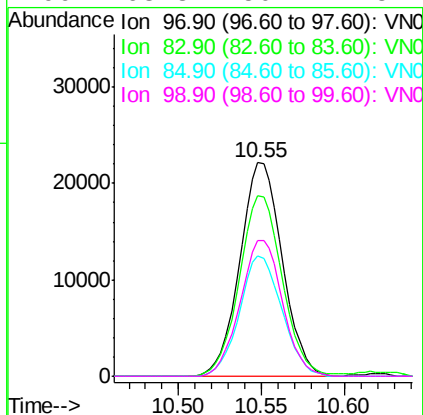
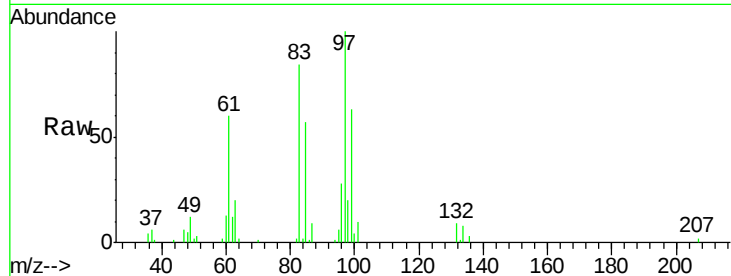
#55
 1,1,2-Trichloroethane
 Concen: 19.254 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Tot Ion:	97	Resp:	39393
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.9	101.9
85	56.5	44.6	67.0
99	63.3	50.1	75.1

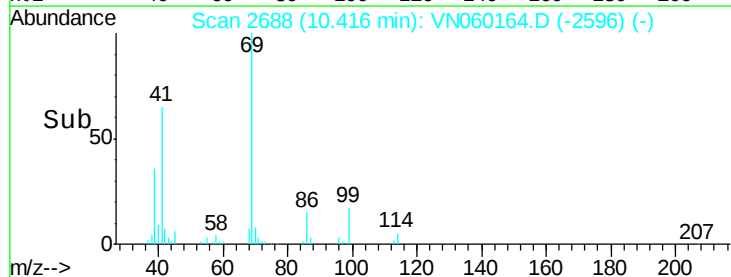
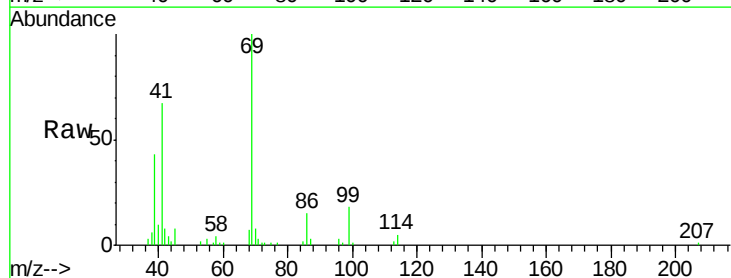
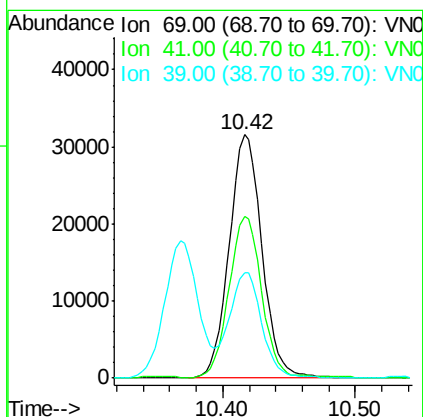
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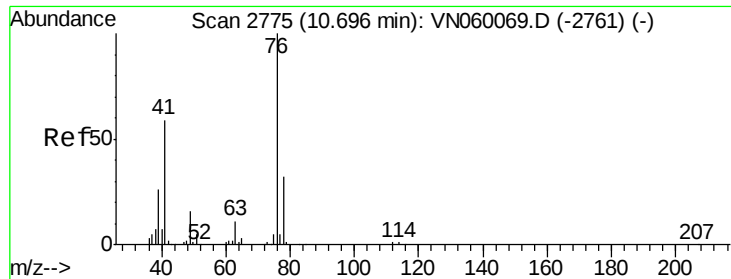
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 2/21/2020 9:14:34 AM



#56
 Ethyl methacrylate
 Concen: 18.761 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion:	69	Resp:	54298
Ion	Ratio	Lower	Upper
69	100		
41	66.5	51.1	76.7
39	43.2	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.179 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBS01

Tot Ion: 76 Resp: 64746

Ion Ratio Lower Upper

76 100

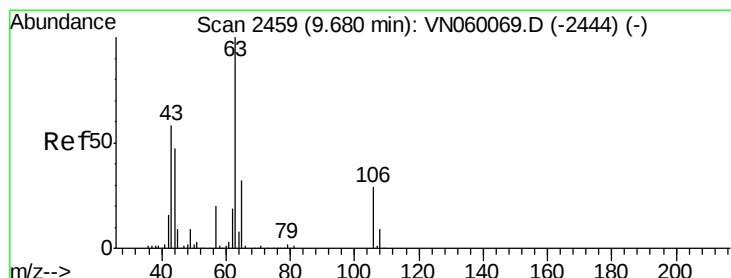
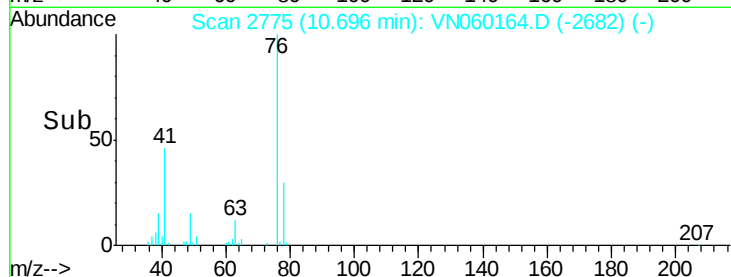
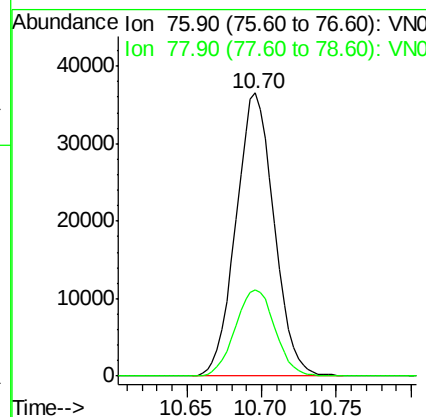
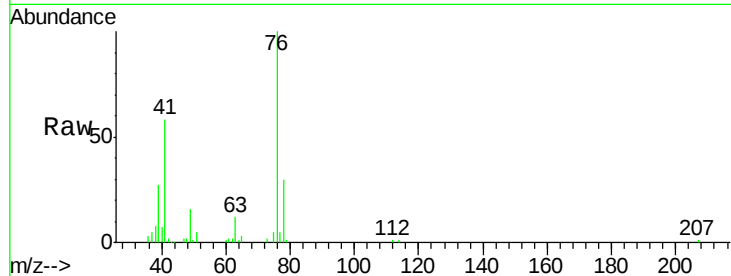
78 31.8 25.7 38.5

Manual Integrations

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2/21/2020 9:14:34 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.741 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060164.D

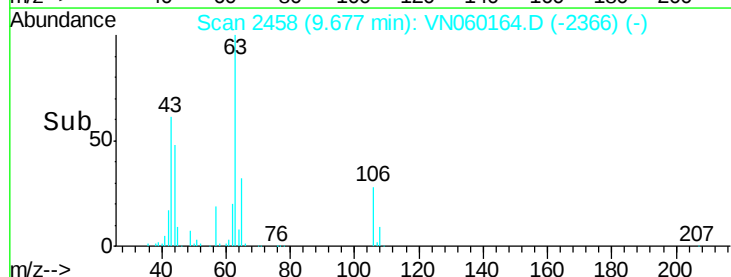
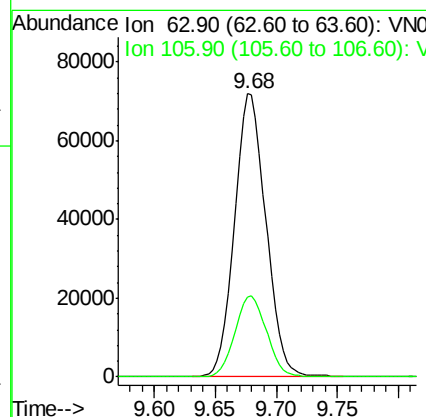
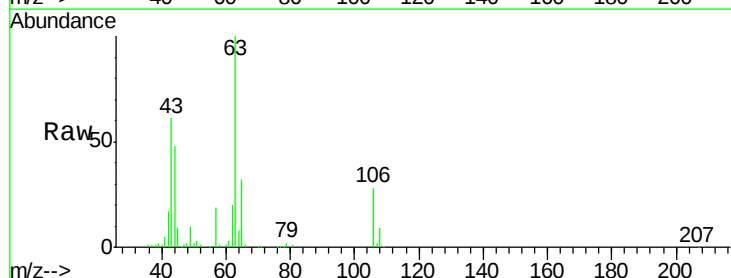
Acq: 20 Feb 2020 11:33

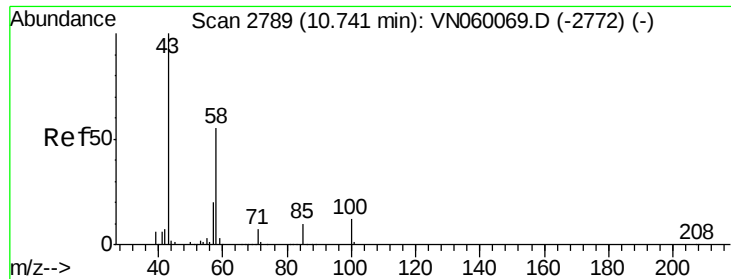
Tgt Ion: 63 Resp: 129091

Ion Ratio Lower Upper

63 100

106 28.7 22.9 34.3





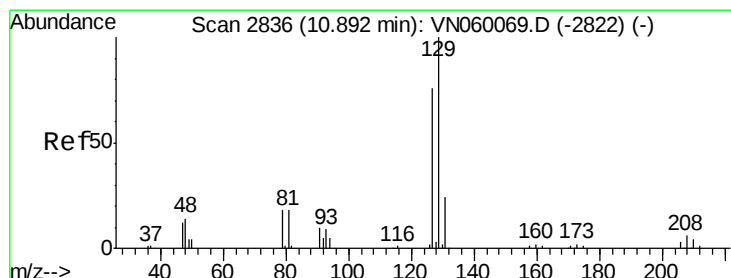
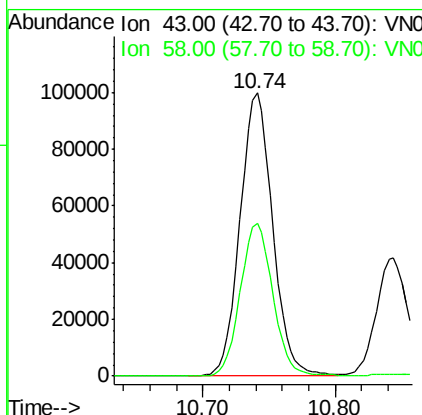
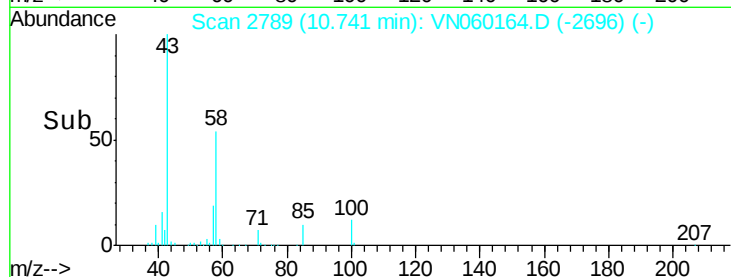
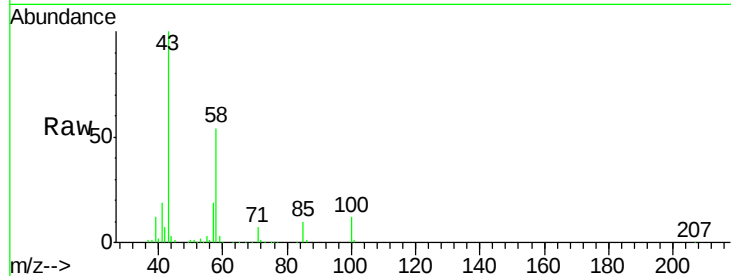
#59
2-Hexanone
Concen: 89.667 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion: 43 Resp: 170760
Ion Ratio Lower Upper
43 100
58 54.1 27.5 82.4

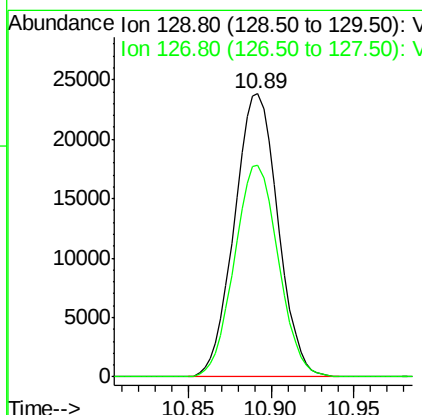
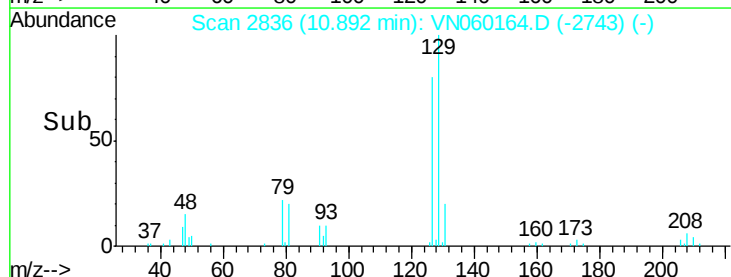
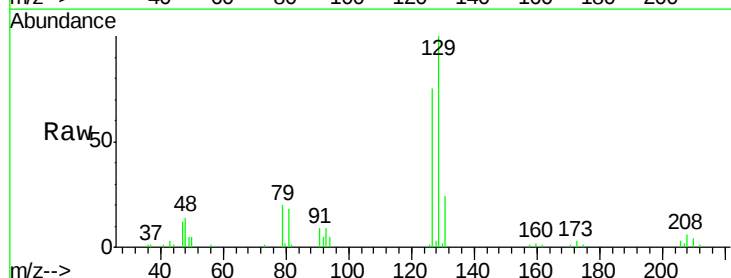
Manual Integrations
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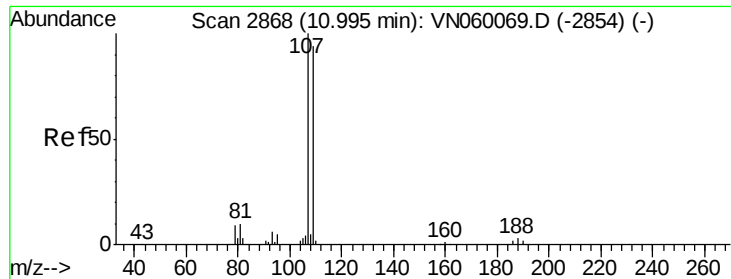
MMDadoda
2/21/2020 9:14:34 AM



#60
Dibromochloromethane
Concen: 18.552 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion: 129 Resp: 43557
Ion Ratio Lower Upper
129 100
127 75.5 38.0 114.1





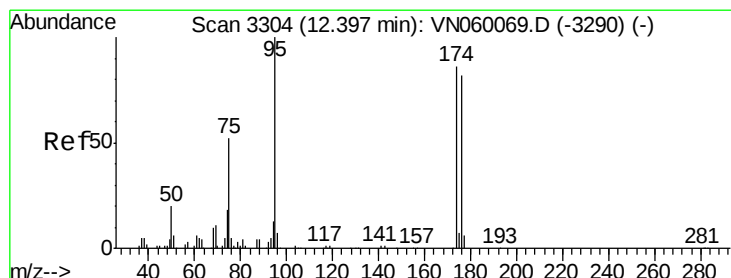
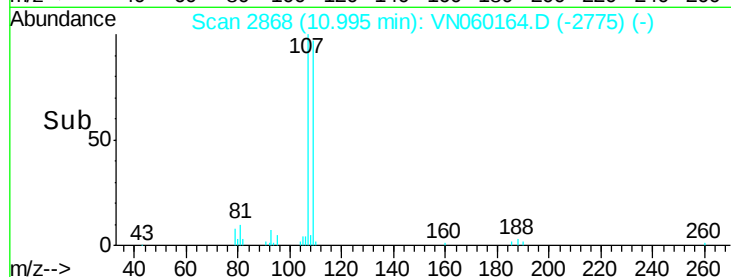
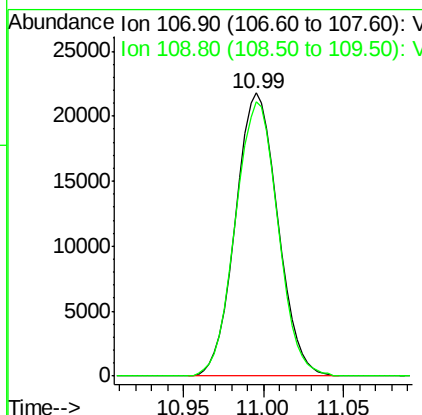
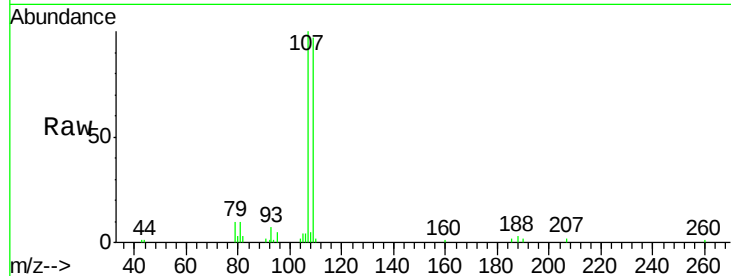
#61
 1,2-Dibromoethane
 Concen: 18.352 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Tot Ion:107 Resp: 39361
 Ion Ratio Lower Upper
 107 100
 109 97.3 75.4 113.0

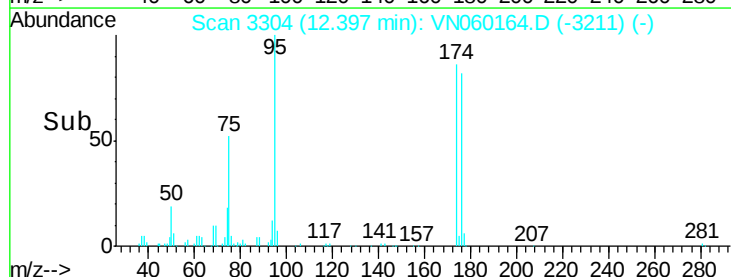
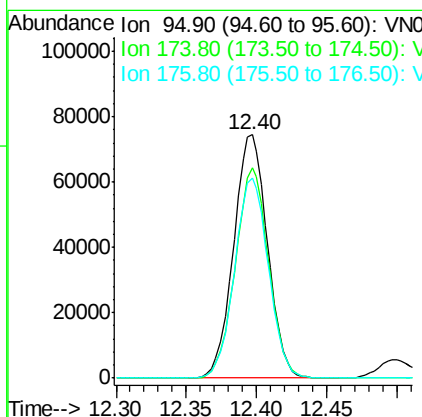
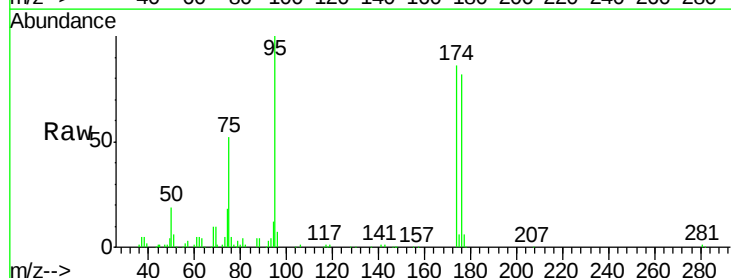
Manual Integrations
 APPROVED

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 2/21/2020 9:14:34 AM



#62
 4-Bromofluorobenzene
 Concen: 47.194 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion: 95 Resp: 124945
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 169.8
 176 82.4 0.0 164.8





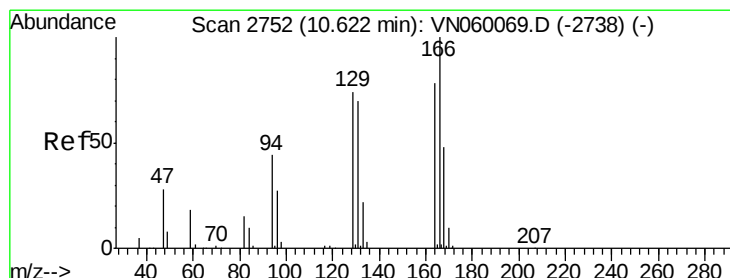
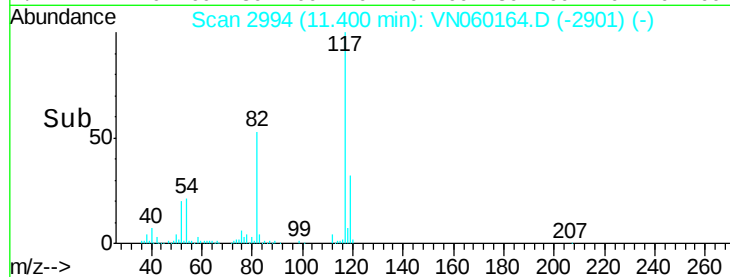
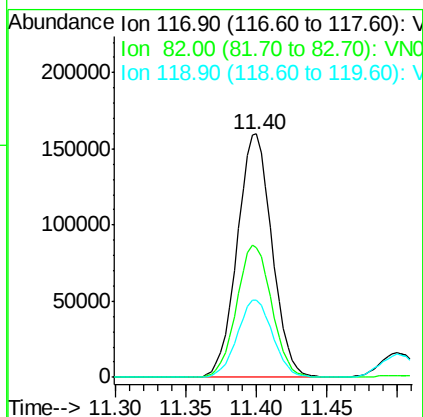
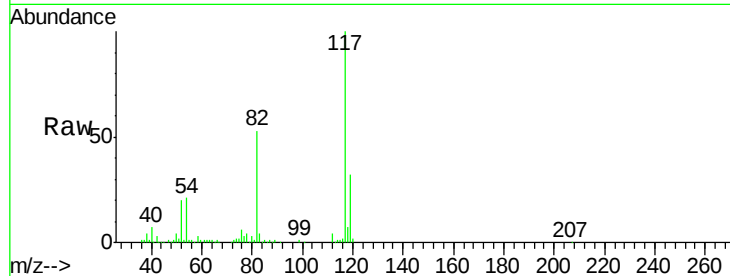
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	276556		
82	53.4		43.4	65.0
119	32.0		25.8	38.6

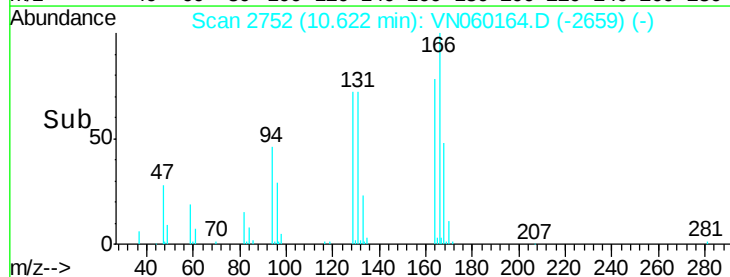
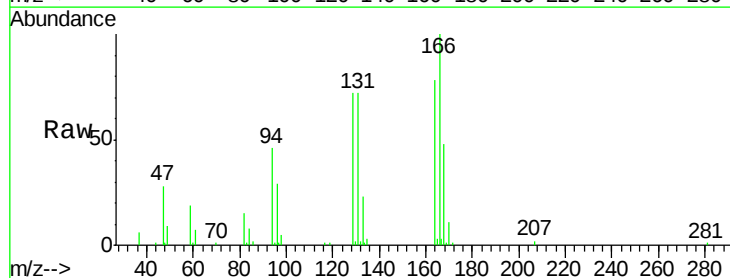
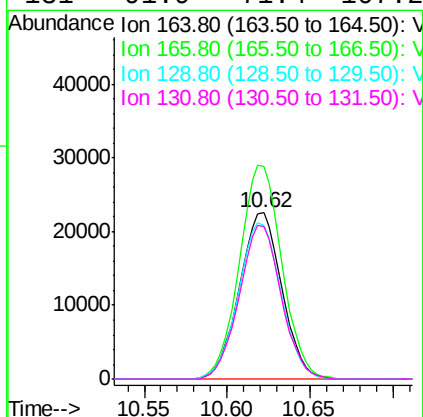
Manual Integrations
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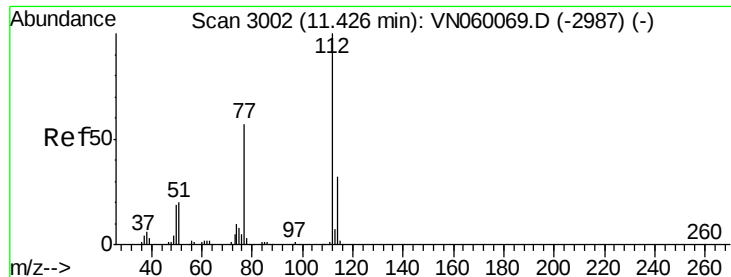
MMDadoda
2/21/2020 9:14:34 AM



#64
Tetrachloroethene
Concen: 19.035 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40019		
166	128.1		101.9	152.9
129	92.9		75.4	113.0
131	91.9		71.4	107.2





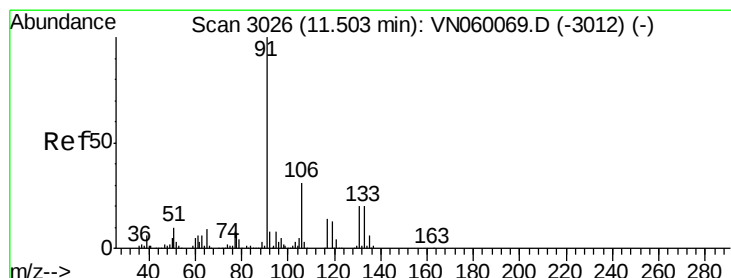
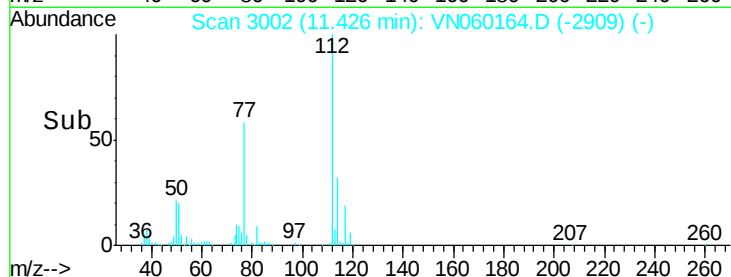
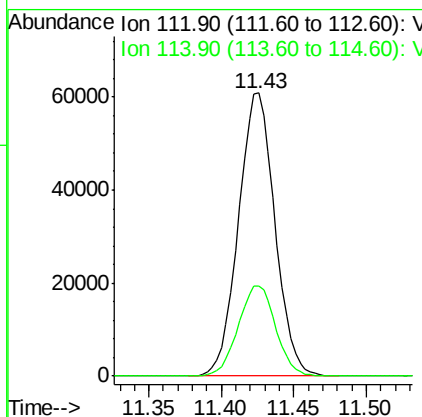
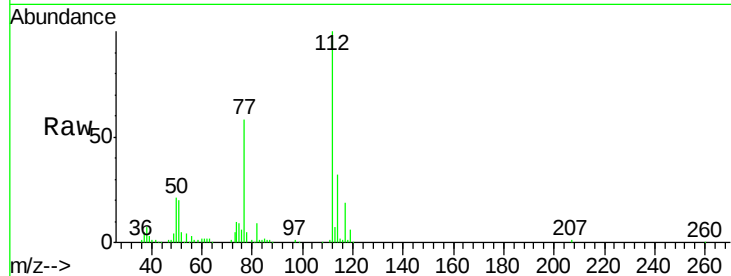
#65
Chlorobenzene
Concen: 18.880 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.0

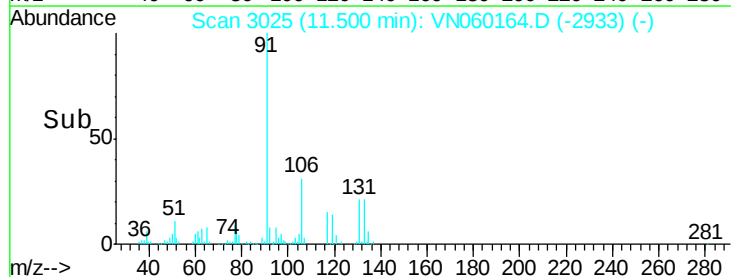
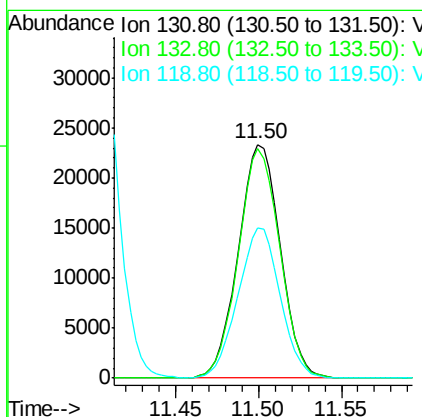
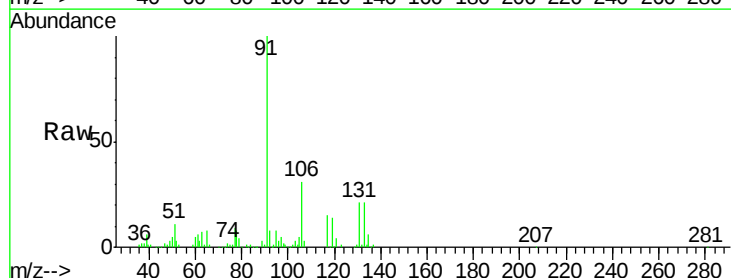
Manual Integrations
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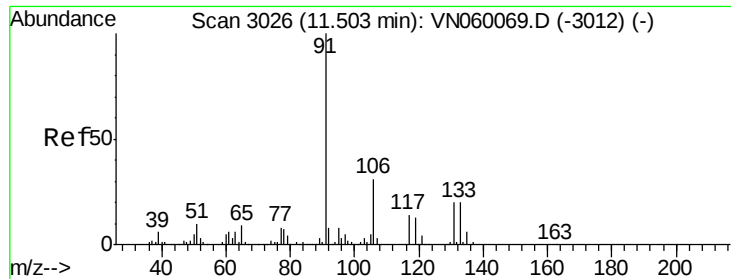
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.365 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.9	143.7
119	64.5	32.6	97.7





#67

Ethyl Benzene

Concen: 18.986 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

ClientSampled :

VN0220WBS01

Tot Ion: 91 Resp: 192933

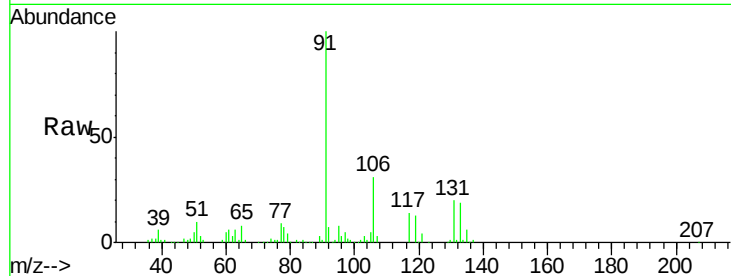
Ion Ratio Lower Upper

91 100

106 31.4 25.1 37.7

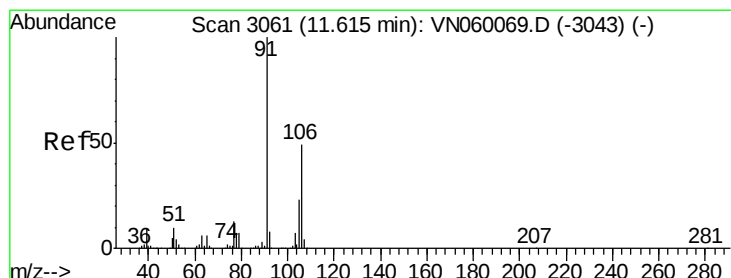
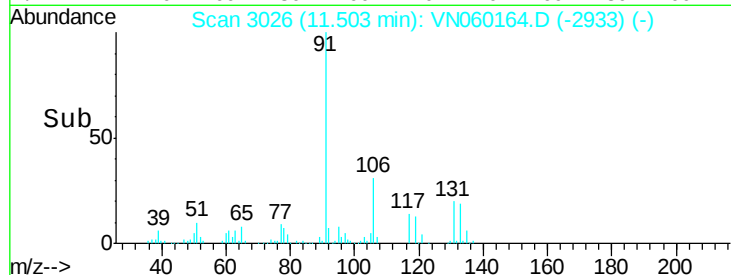
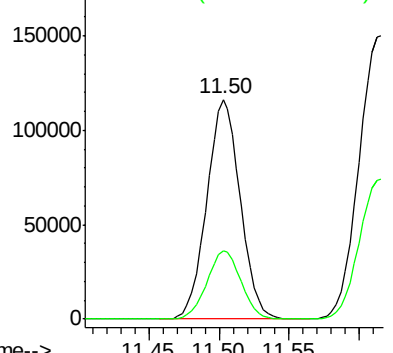
Manual Integrations
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2/21/2020 9:14:34 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060164.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060164.D (-2933) (-)



#68

m/p-Xylenes

Concen: 37.832 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060164.D

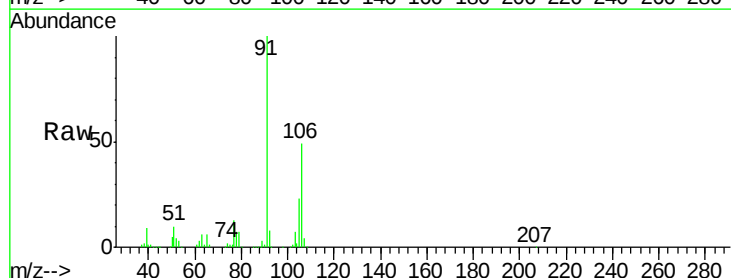
Acq: 20 Feb 2020 11:33

Tgt Ion: 106 Resp: 144292

Ion Ratio Lower Upper

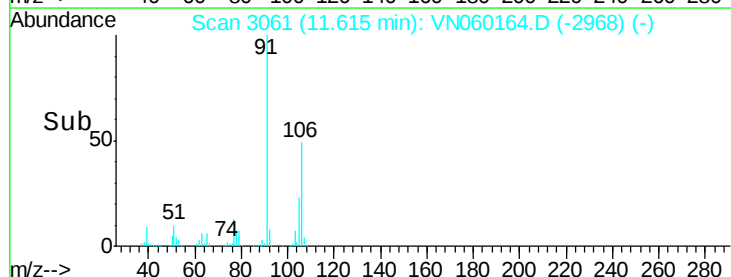
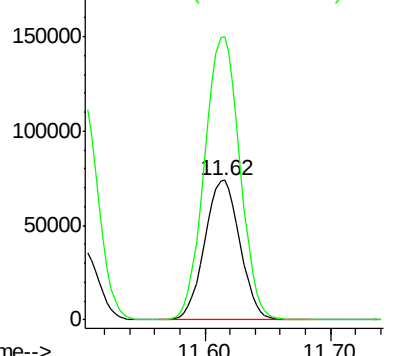
106 100

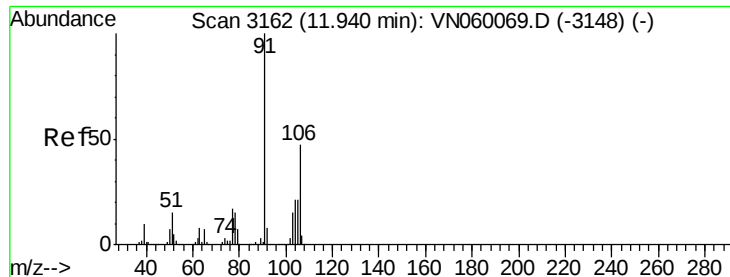
91 202.9 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060164.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060164.D (-2968) (-)





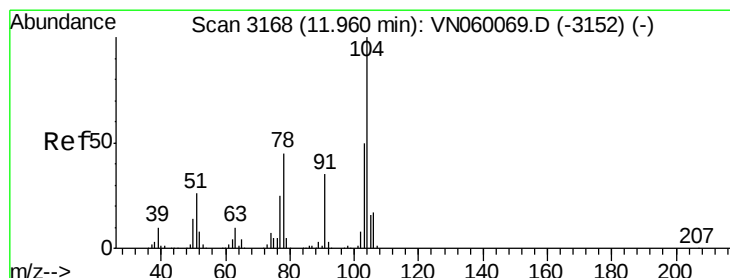
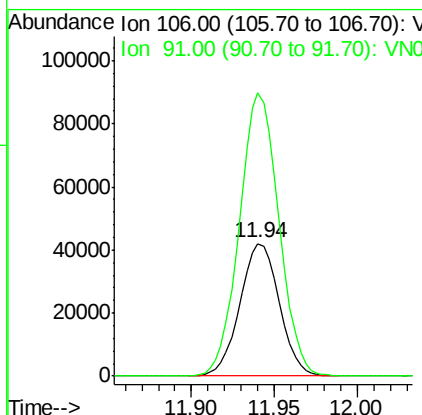
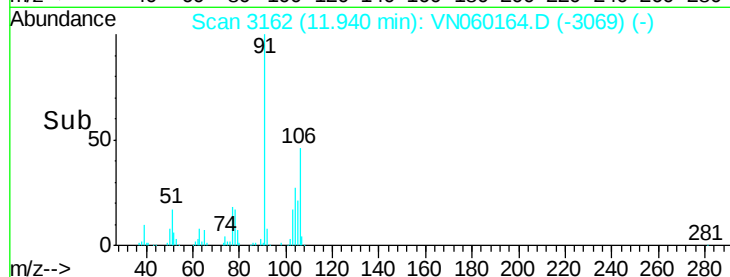
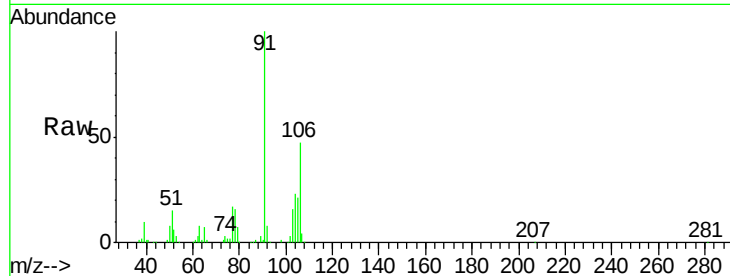
#69
o-Xylene
Concen: 18.929 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampled :
VN0220WBS01

Tot Ion:106 Resp: 69512
Ion Ratio Lower Upper
106 100
91 213.9 107.2 321.6

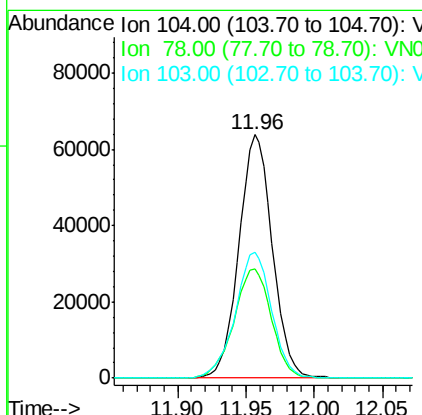
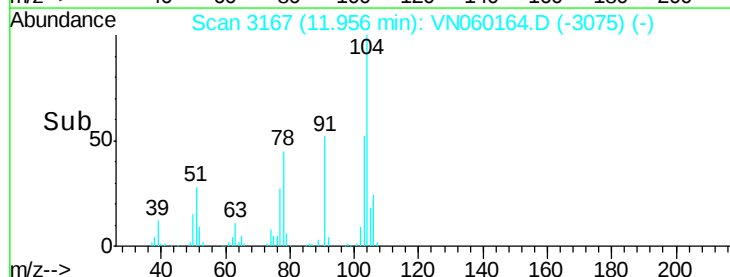
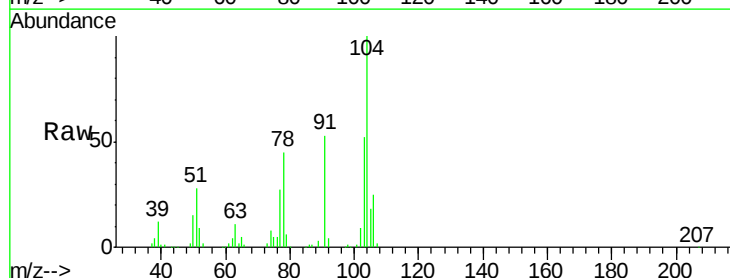
Manual Integrations
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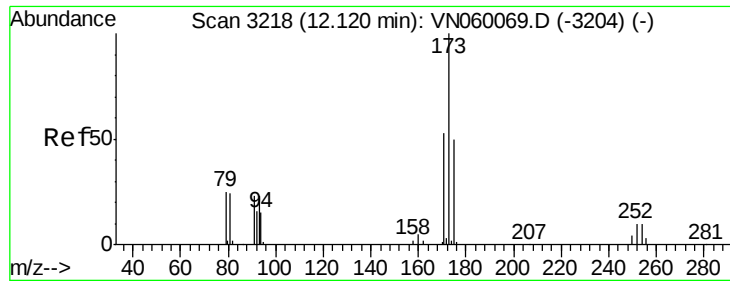
MMDadoda
2/21/2020 9:14:34 AM



#70
Styrene
Concen: 18.374 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion:104 Resp: 108810
Ion Ratio Lower Upper
104 100
78 50.4 40.2 60.2
103 56.1 44.3 66.5





#71

Bromoform

Concen: 18.158 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

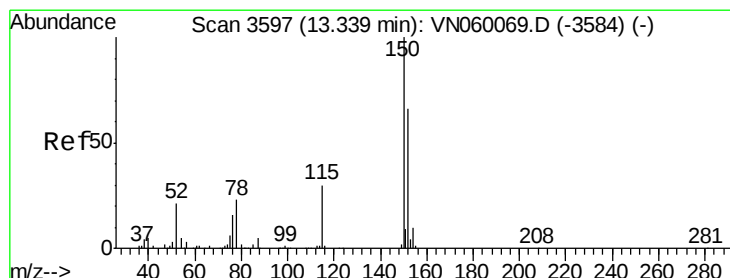
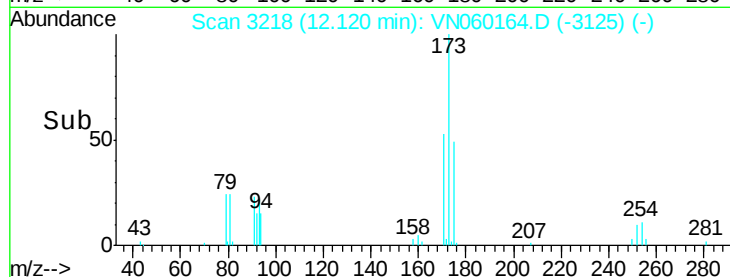
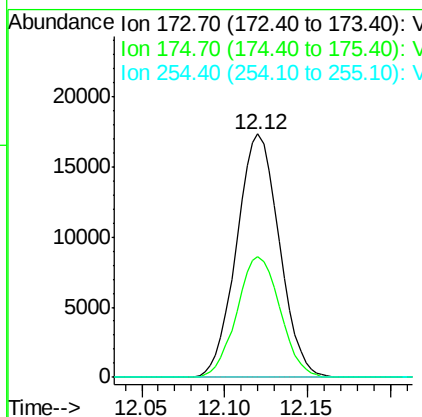
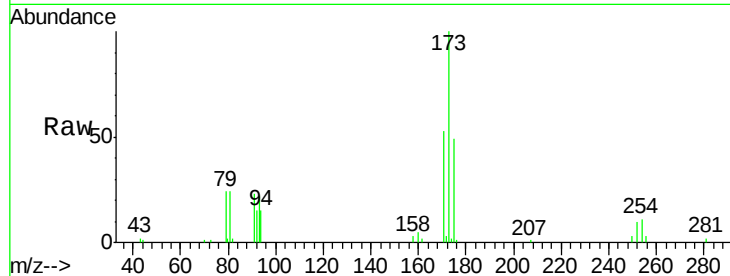
ClientSampleId :

VN0220WBS01

Tot Ion:	173	Resp:	31130
Ion Ratio	Lower	Upper	
173	100		
175	50.1	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

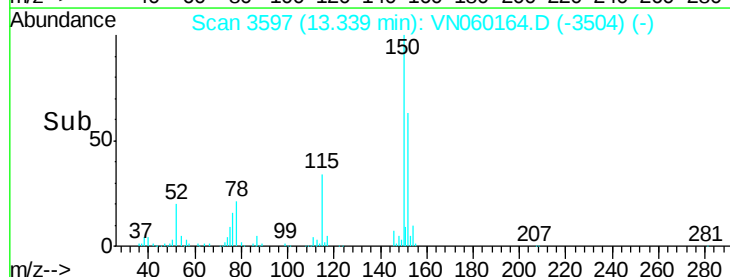
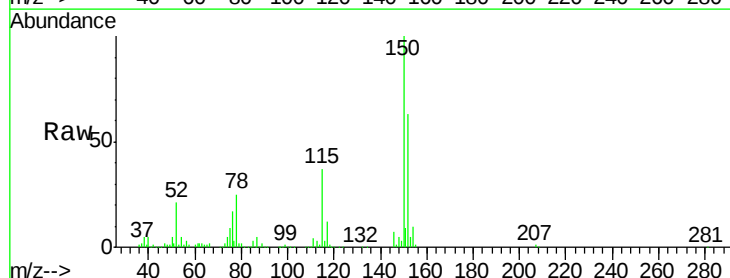
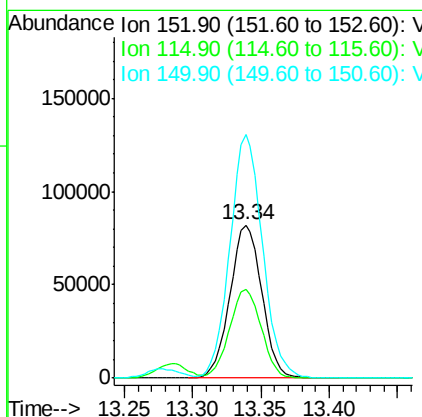
RT: 13.34 min Scan# 3597

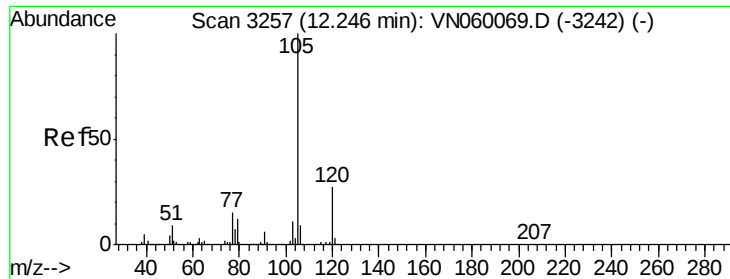
Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Tgt Ion:	152	Resp:	132916
Ion Ratio	Lower	Upper	
152	100		
115	58.1	28.9	86.8
150	163.9	0.0	342.4





#73

Isopropylbenzene

Concen: 18.971 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

ClientSampled :

VN0220WBS01

Tot Ion: 105 Resp: 188298

Ion Ratio Lower Upper

105 100

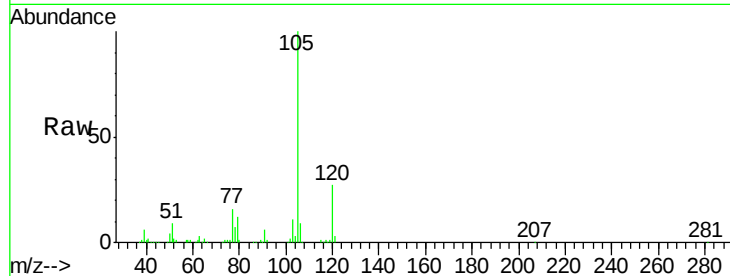
120 26.5 13.3 39.8

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

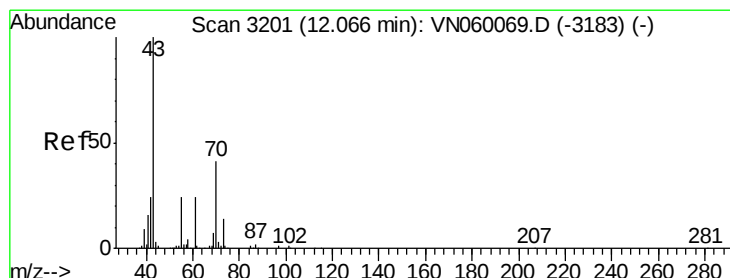
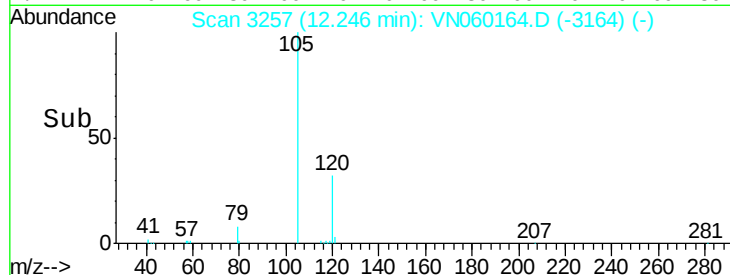
12.25

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.917 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Tgt Ion: 43 Resp: 67704

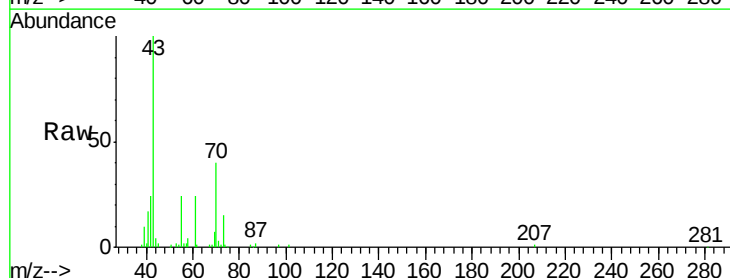
Ion Ratio Lower Upper

43 100

70 40.2 33.4 50.0

55 23.9 18.8 28.2

61 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.06

60000

50000

40000

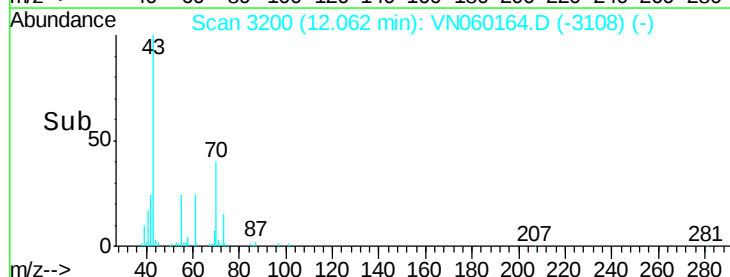
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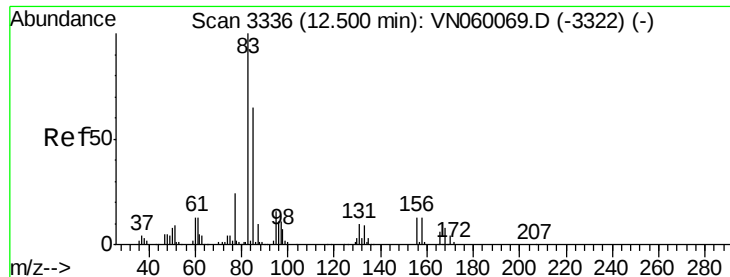
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.326 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

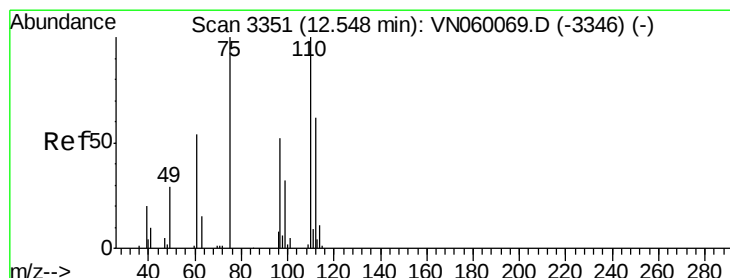
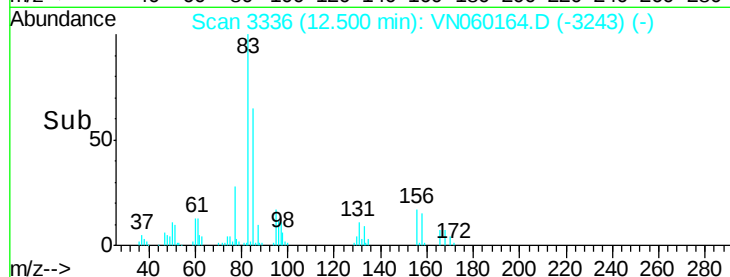
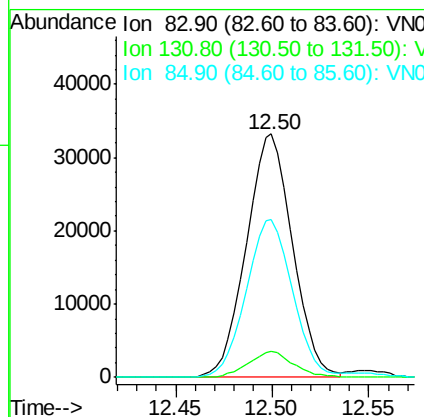
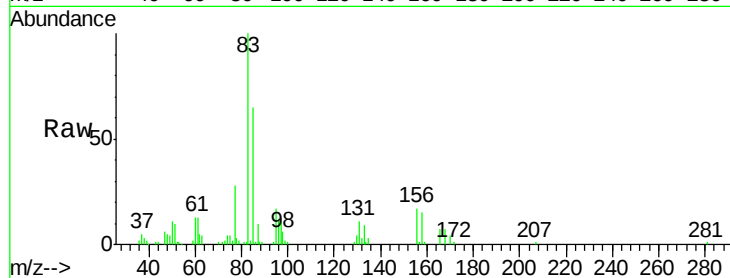
ClientSampleId :

VN0220WBS01

Tot Ion:	83	Resp:	55212
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.8	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.065 ug/l m

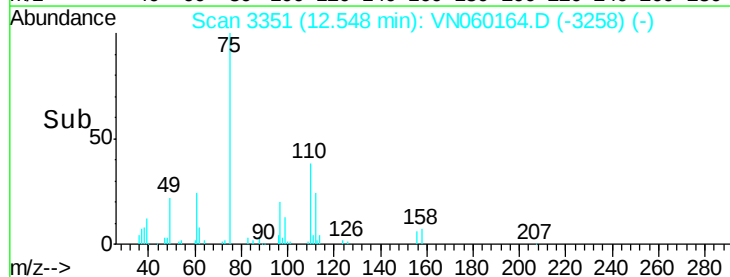
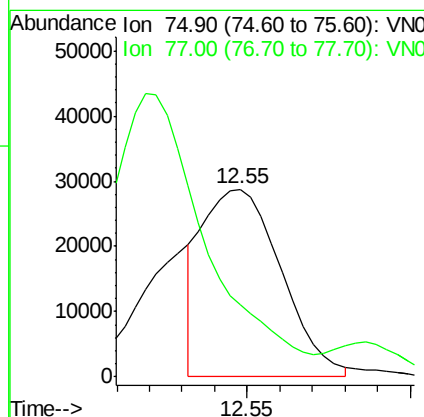
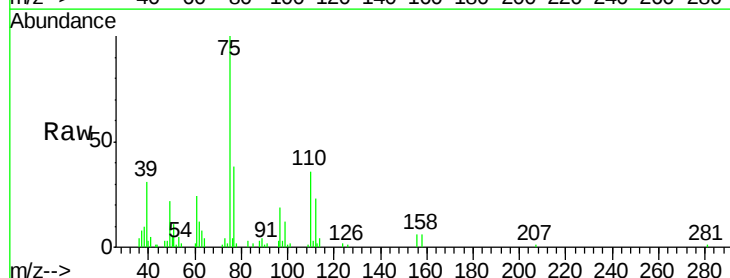
RT: 12.55 min Scan# 3351

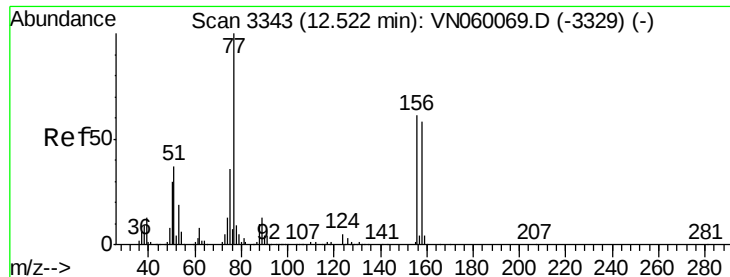
Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Tgt Ion:	75	Resp:	48482
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.122 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

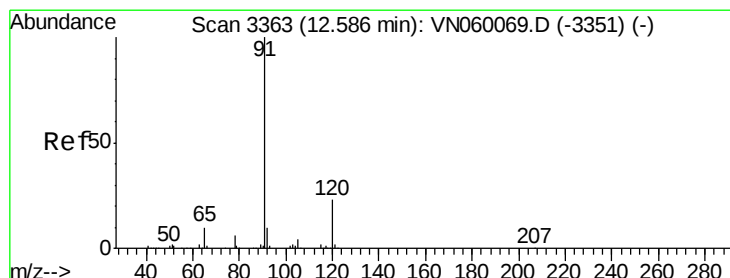
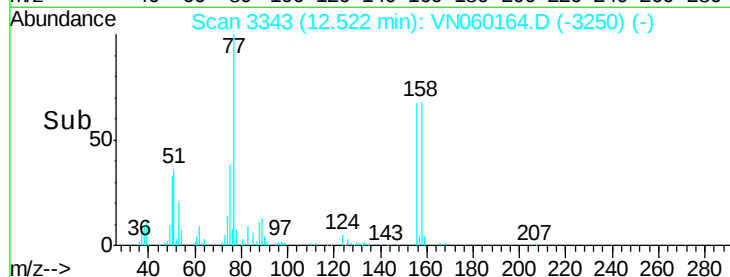
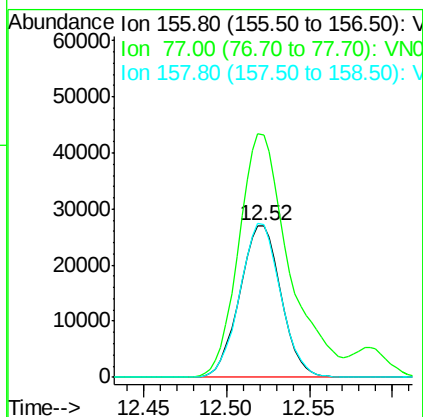
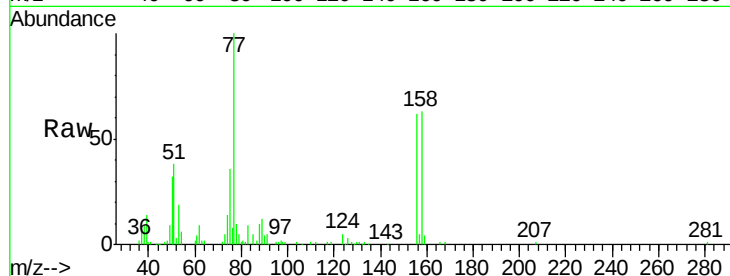
ClientSampleId :

VN0220WBS01

Tot Ion:	156	Resp:	47102
Ion Ratio	Lower	Upper	
156	100		
77	195.1	98.7	296.1
158	99.5	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.911 ug/l

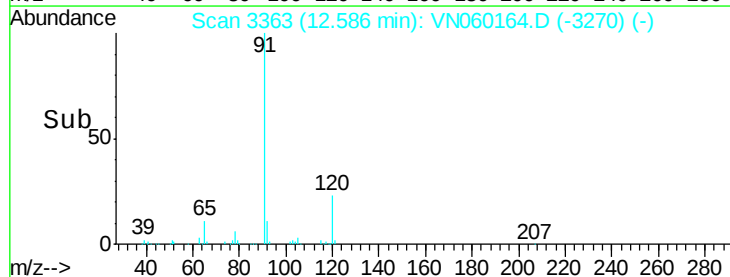
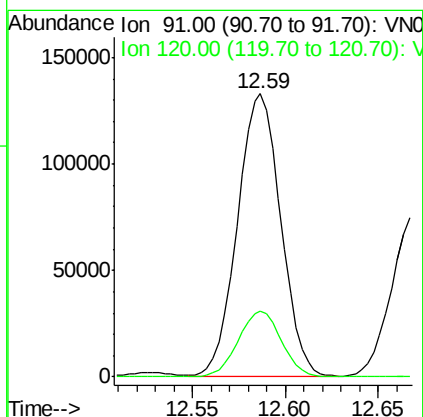
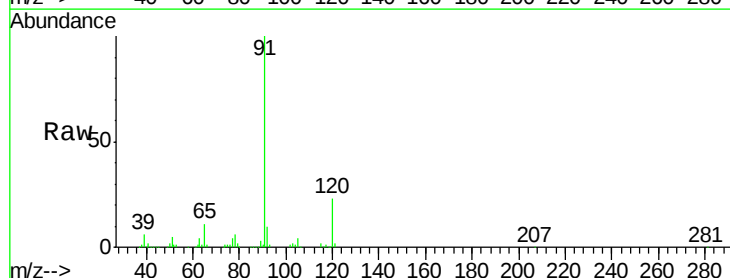
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Tgt Ion:	91	Resp:	213849
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.939 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBS01

Tot Ion: 91 Resp: 125882

Ion Ratio Lower Upper

91 100

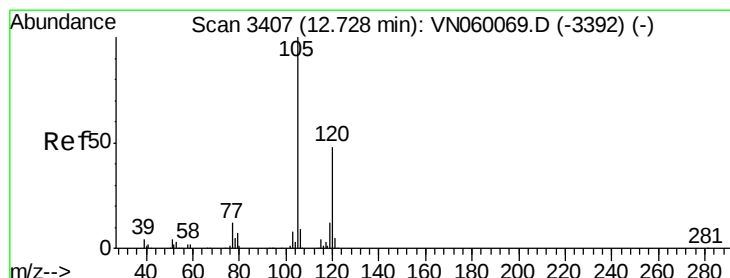
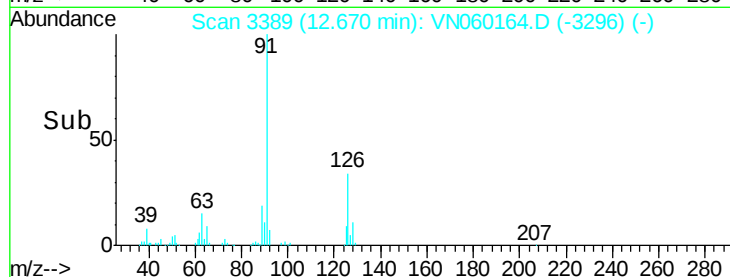
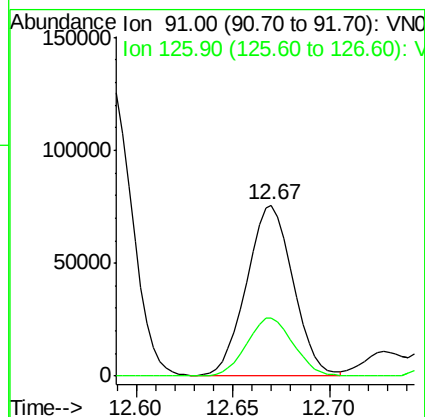
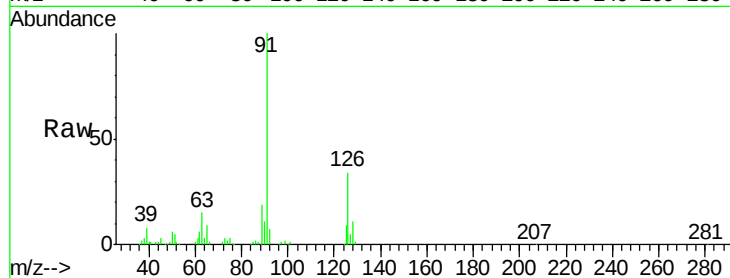
126 34.4 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.162 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060164.D

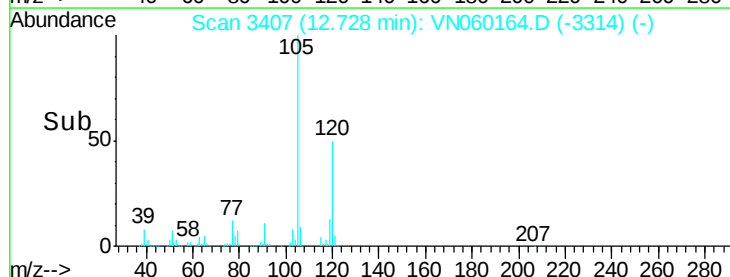
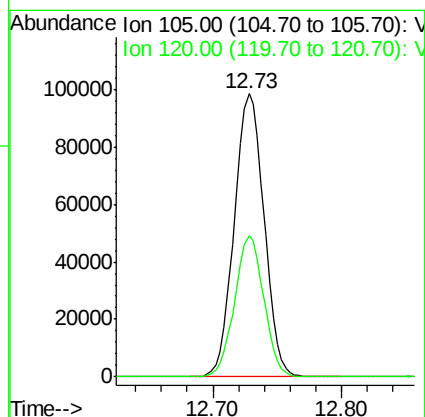
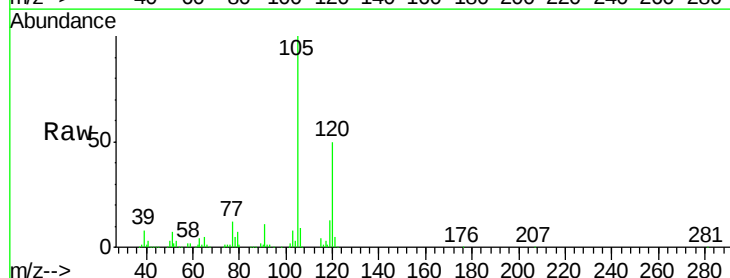
Acq: 20 Feb 2020 11:33

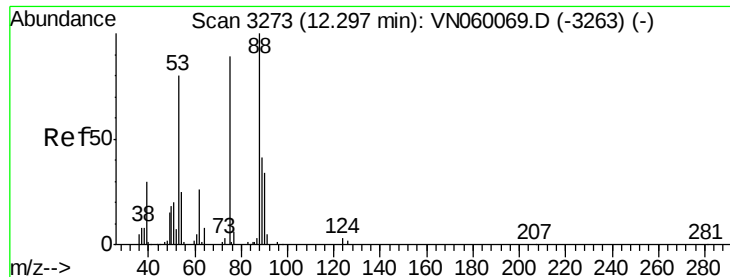
Tgt Ion: 105 Resp: 158134

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.9





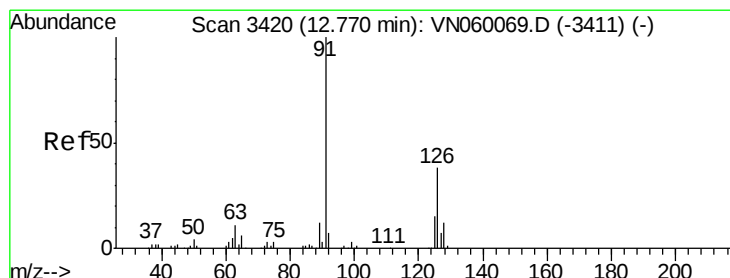
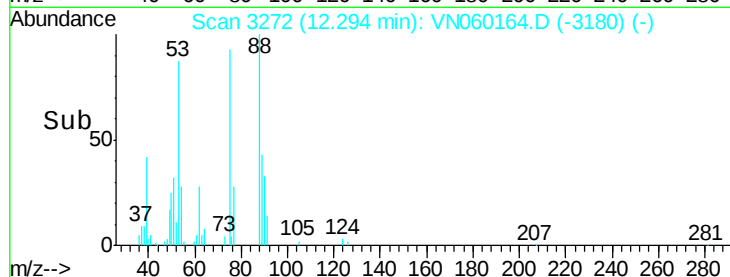
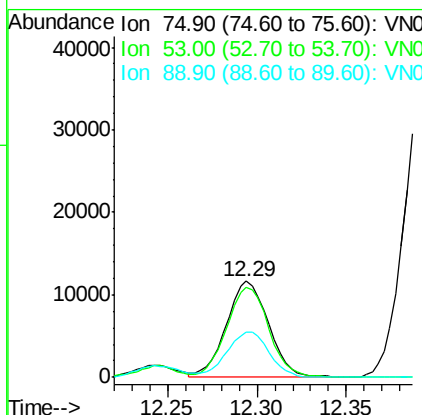
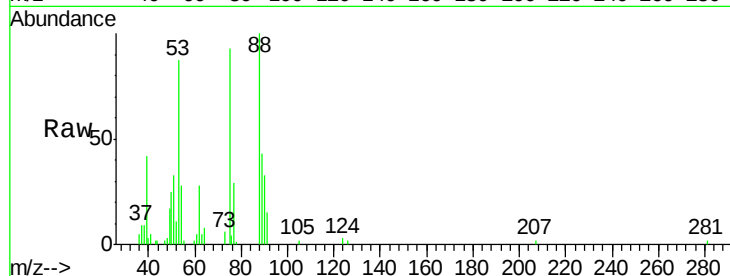
#81
trans-1,4-Dichloro-2-butene
Concen: 18.545 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.5	73.9	110.9
89	47.0	37.0	55.4

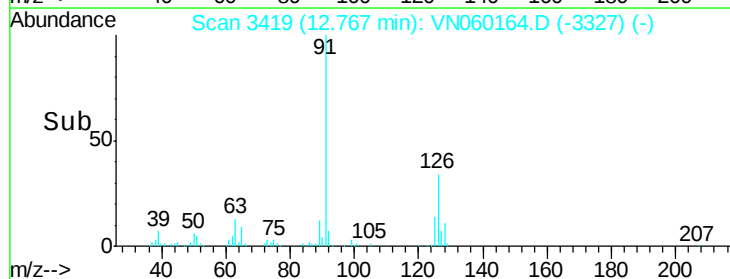
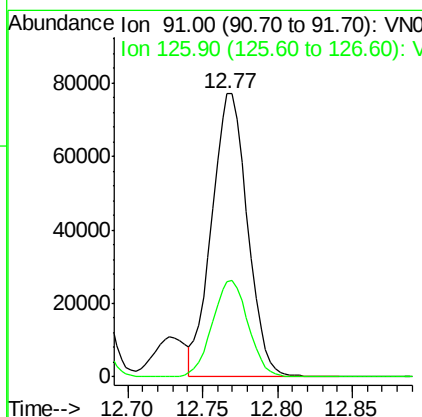
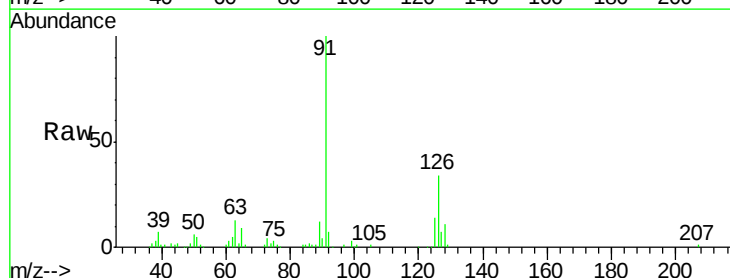
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#82
4-Chlorotoluene
Concen: 18.842 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.1	51.3





#83

tert-Butylbenzene

Concen: 18.656 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Instrument :

MSVOA_N

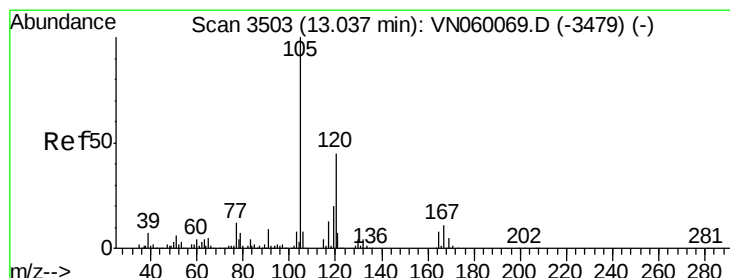
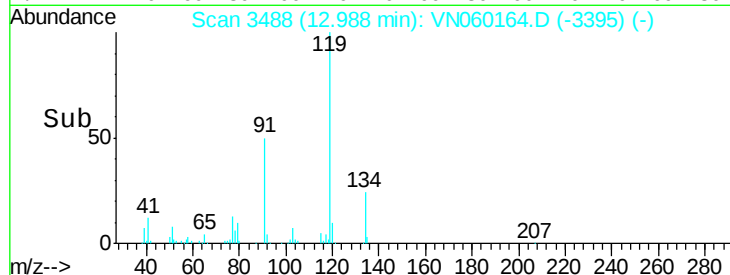
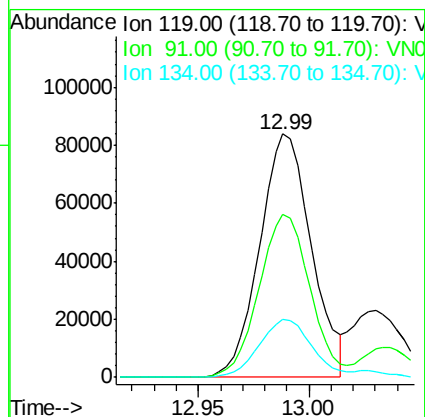
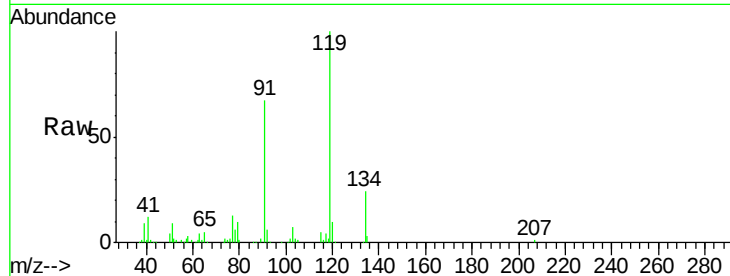
ClientSampleId :

VN0220WBS01

Tot Ion:	119	Resp:	136195
Ion Ratio	Lower	Upper	
119	100		
91	66.0	32.7	98.1
134	24.1	12.9	38.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.290 ug/l

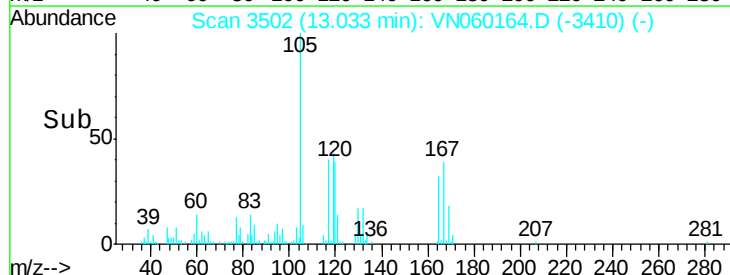
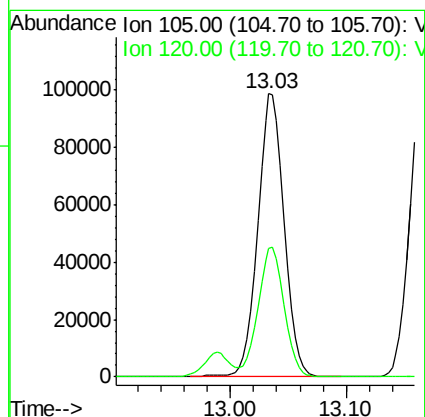
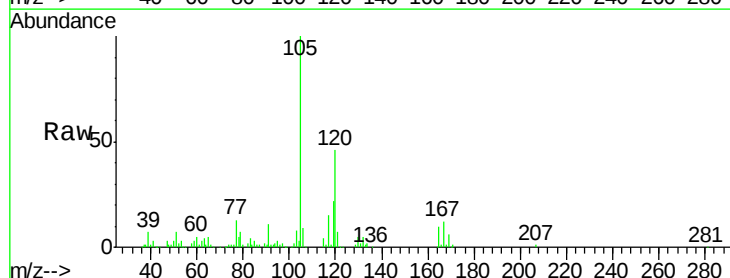
RT: 13.03 min Scan# 3502

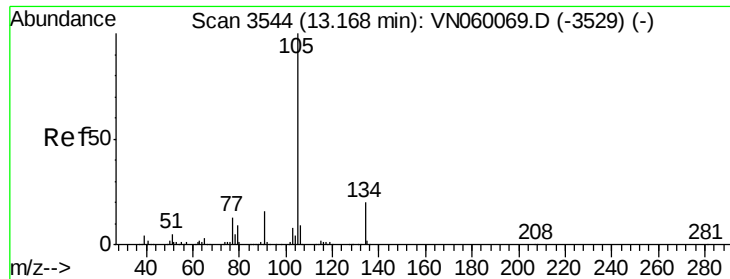
Delta R.T. -0.00 min

Lab File: VN060164.D

Acq: 20 Feb 2020 11:33

Tgt Ion:	105	Resp:	157145
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.4	67.3





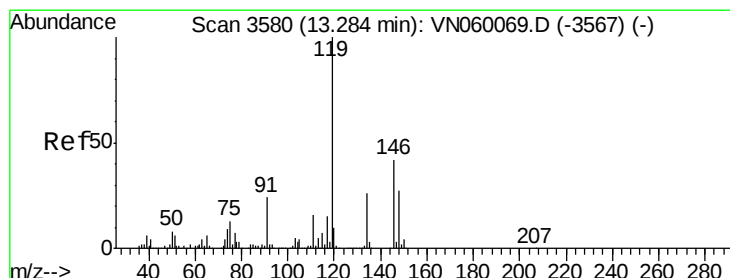
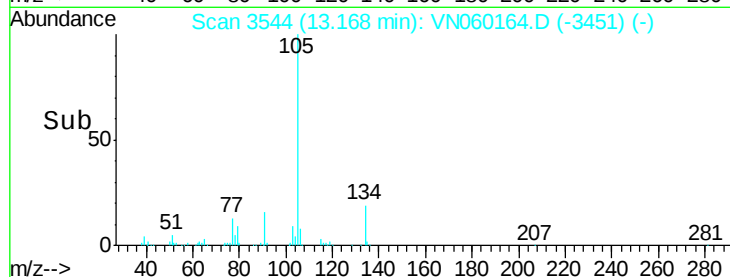
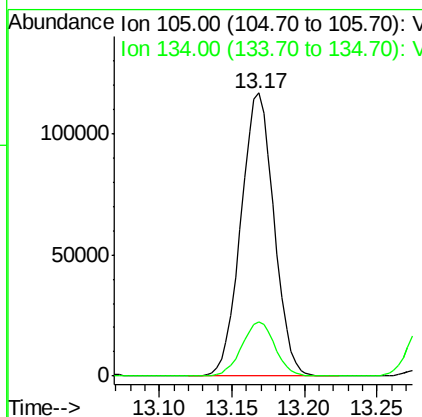
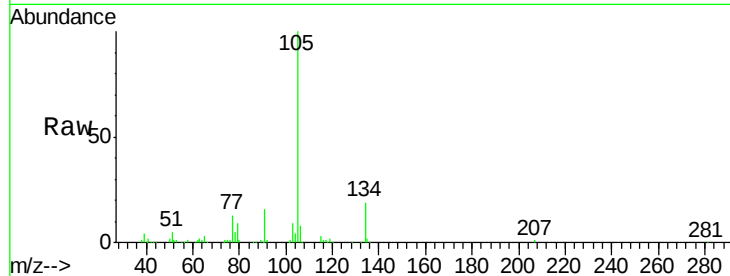
#85
 sec-Butylbenzene
 Concen: 19.151 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	185158		
134	19.2	9.9	29.7	

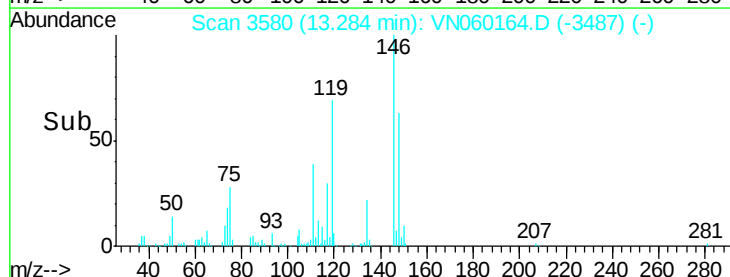
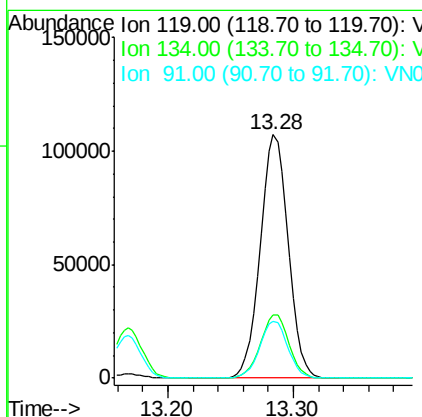
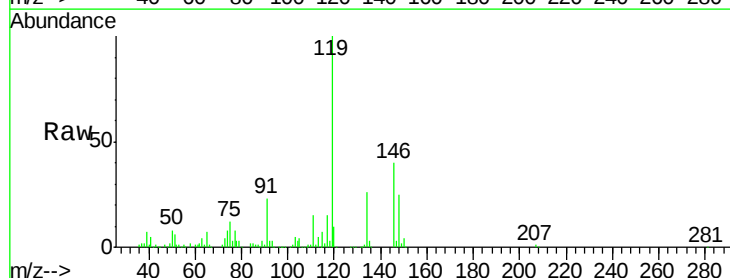
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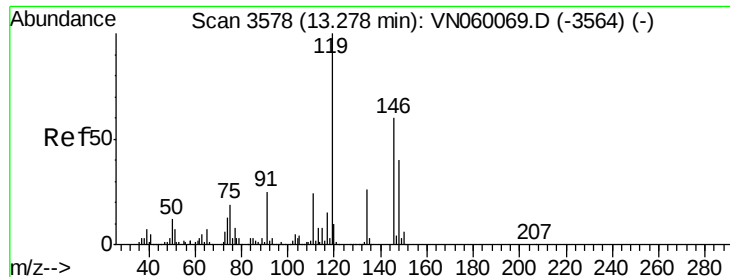
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#86
 p-Isopropyltoluene
 Concen: 19.015 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	166570		
134	26.5	13.3	39.8	
91	23.5	11.9	35.9	





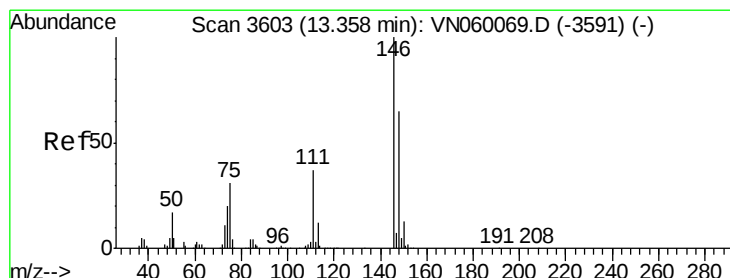
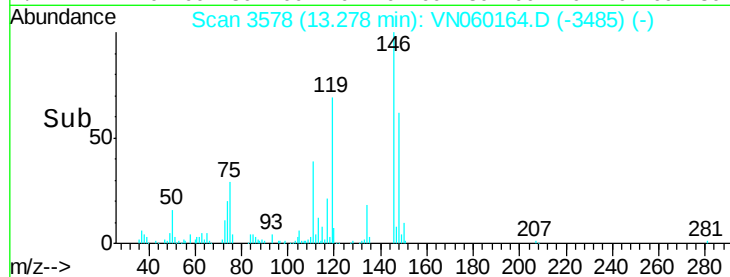
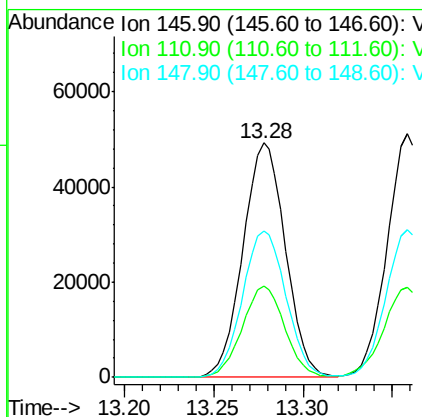
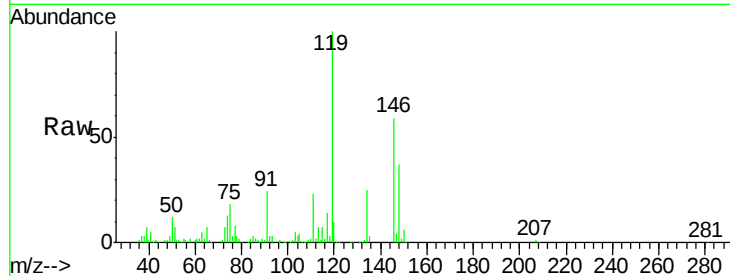
#87
 1,3-Dichlorobenzene
 Concen: 18.826 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.8	59.3
148	64.1	32.0	96.2

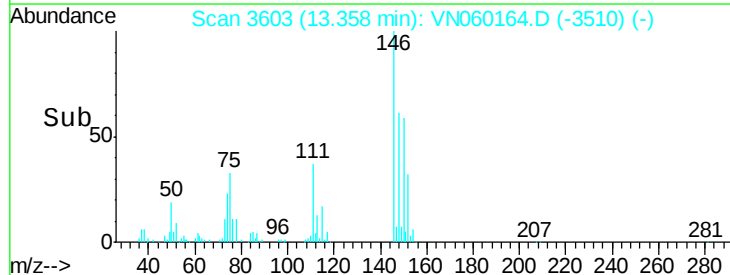
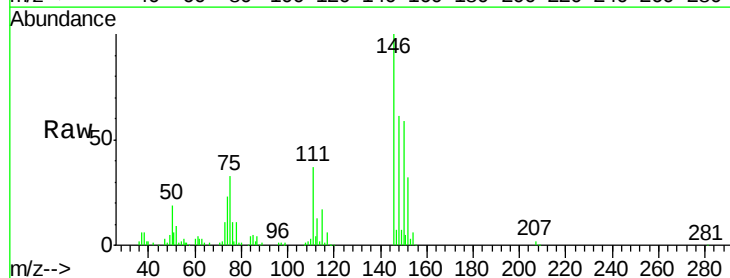
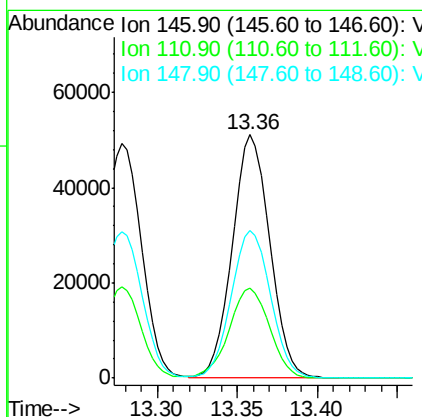
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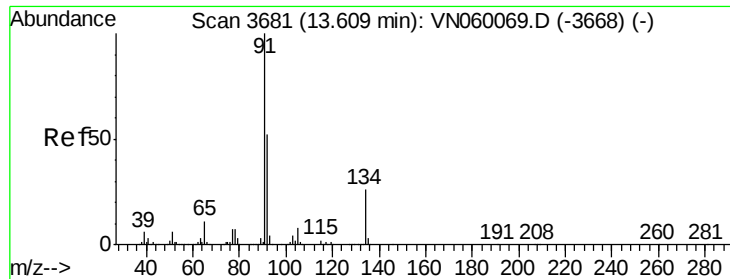
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#88
 1,4-Dichlorobenzene
 Concen: 18.770 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.9	56.5
148	63.7	32.0	96.0





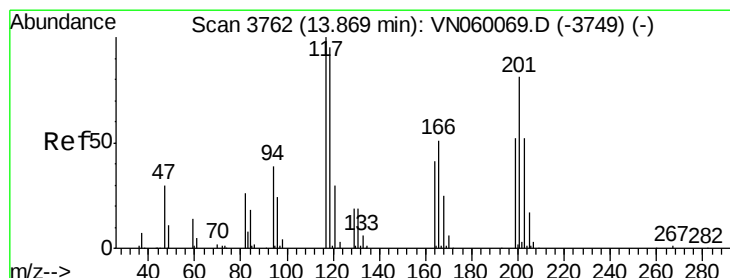
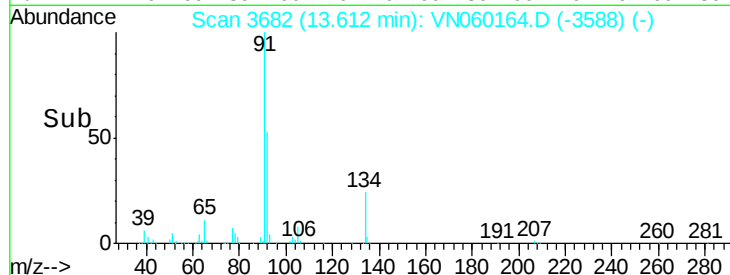
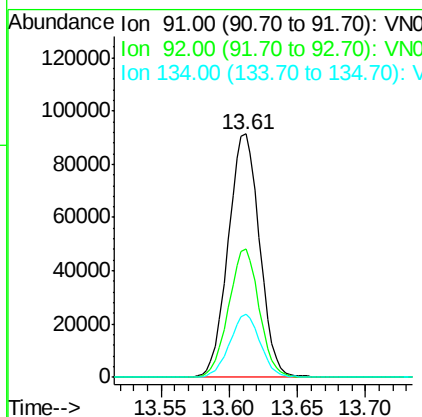
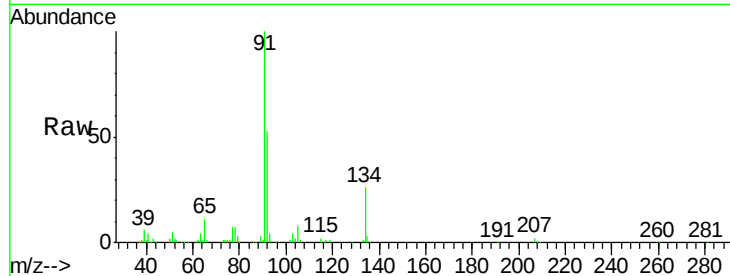
#89
n-Butylbenzene
Concen: 18.962 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.2
134	25.4	13.1	39.3

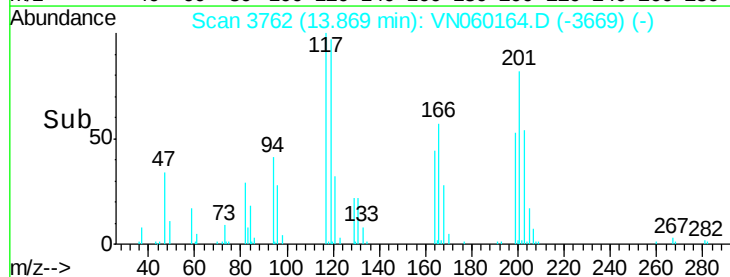
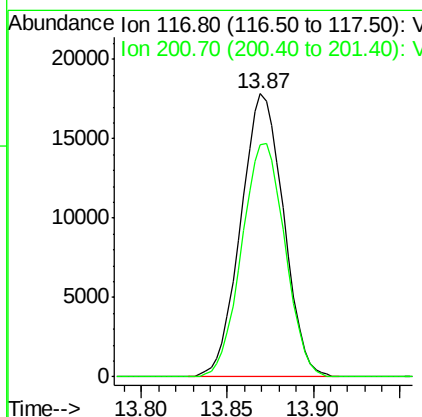
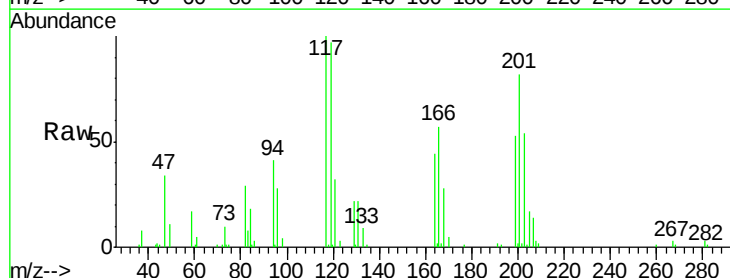
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#90
Hexachloroethane
Concen: 18.799 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	41.7	125.1





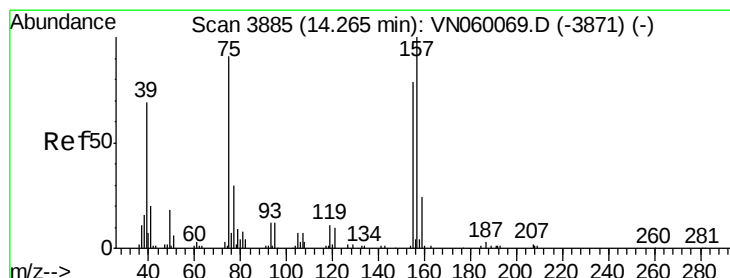
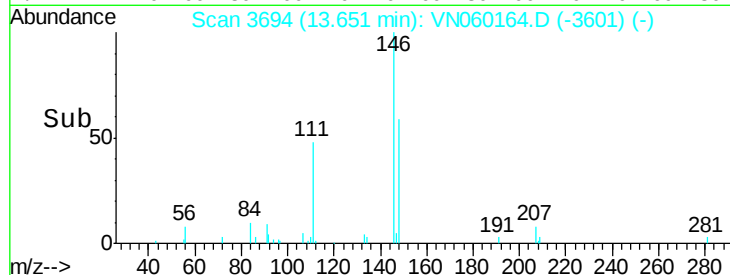
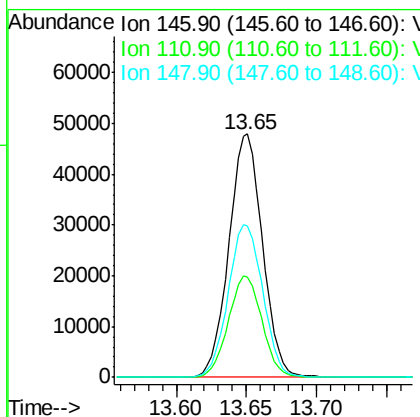
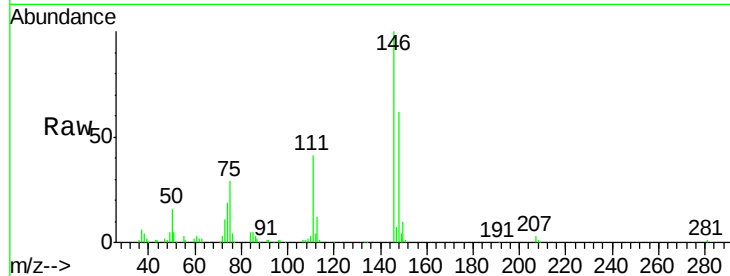
#91
 1,2-Dichlorobenzene
 Concen: 18.726 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.1	60.2
148	64.5	31.9	95.5

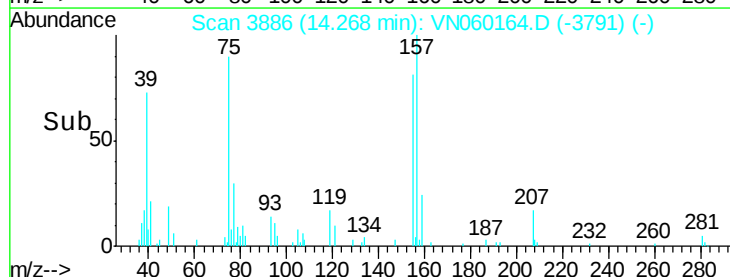
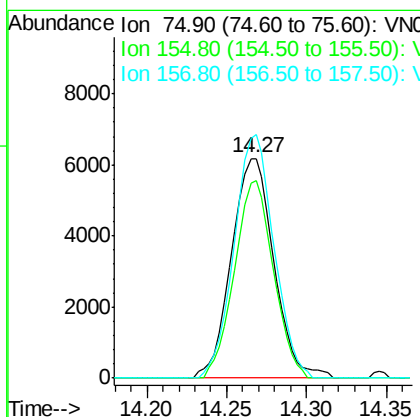
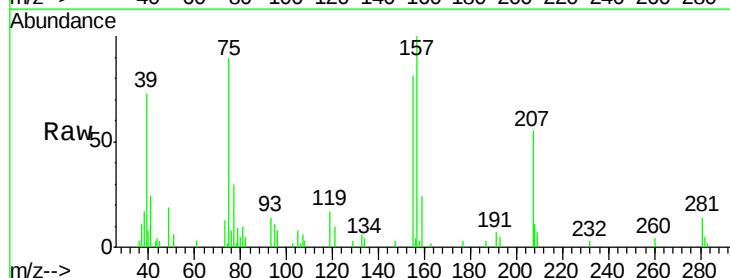
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.871 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	43.0	129.0
157	103.8	54.9	164.5





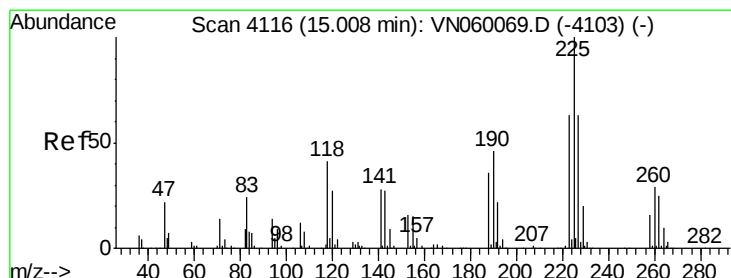
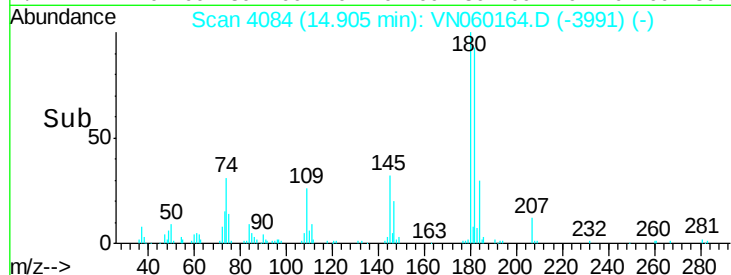
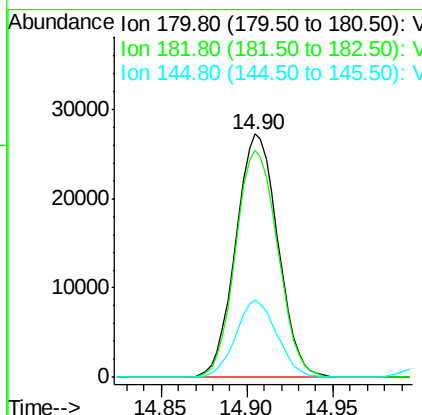
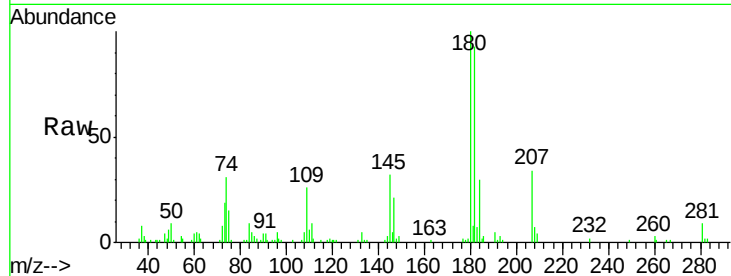
#93
 1,2,4-Trichlorobenzene
 Concen: 18.524 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.8
145	30.7	15.2	45.5

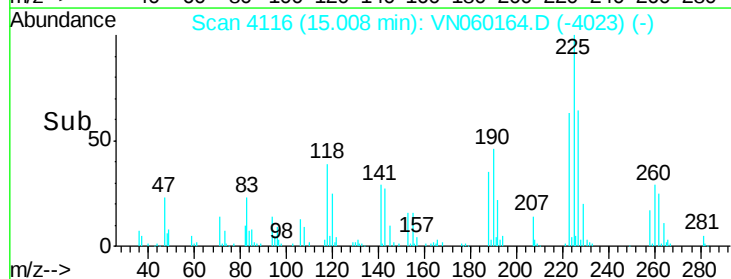
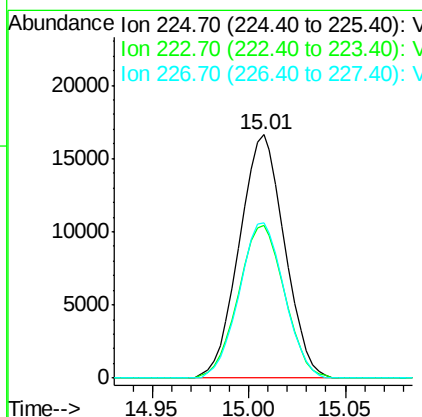
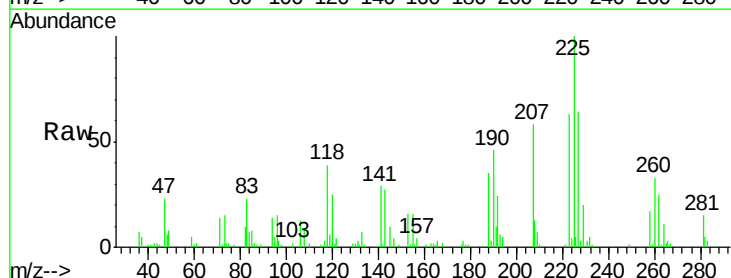
Manual Integrations
 APPROVED

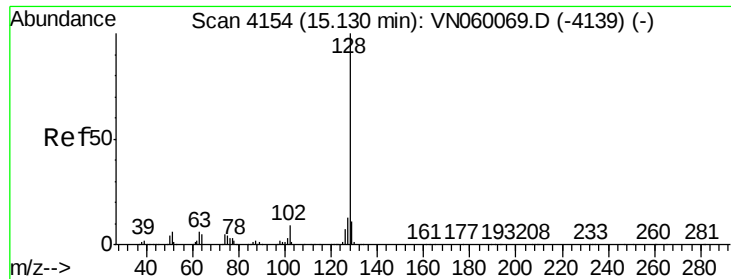
MMDadoda
 2/21/2020 9:14:34 AM



#94
 Hexachlorobutadiene
 Concen: 18.444 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060164.D
 Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.5	94.5
227	63.5	31.8	95.4





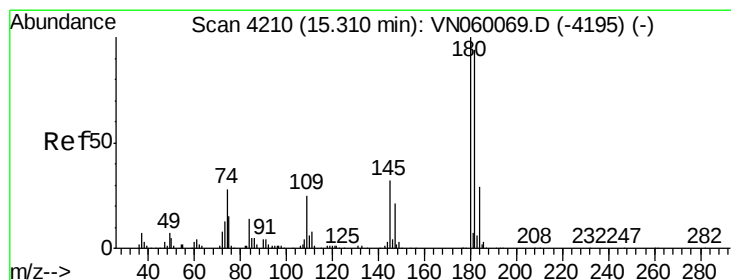
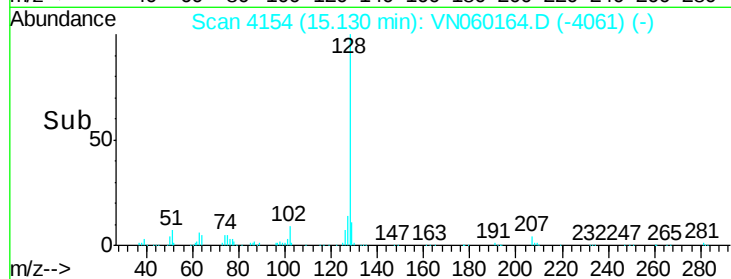
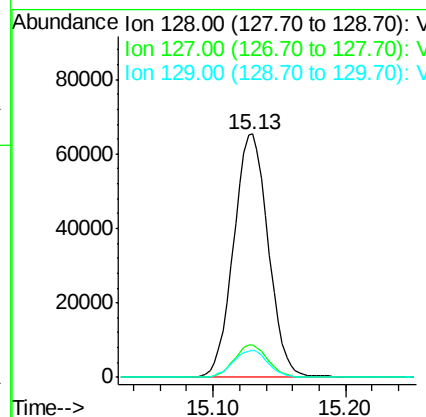
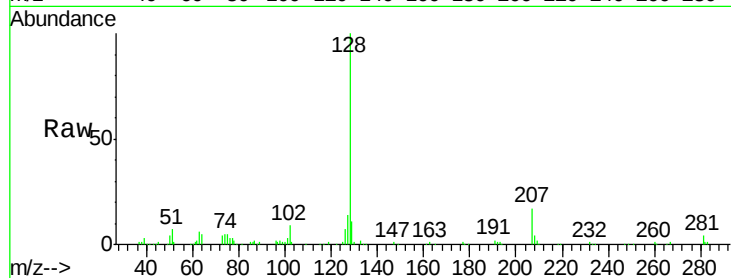
#95
Naphthalene
Concen: 17.458 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	118236		
127	13.0		10.3	15.5
129	11.1		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/21/2020 9:14:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.471 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060164.D
Acq: 20 Feb 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	46119		
182	94.9		47.5	142.5
145	32.1		16.1	48.3

