

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060103.D
 Acq On : 14 Feb 2020 12:05
 Operator : JC/MD
 Sample : VN0214MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:30:25 AM

Quant Time: Feb 15 02:59:03 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	186580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	298504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	115394	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
35) Dibromofluoromethane	7.56	113	89352	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	10.08	98	354211	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.40	95	127240	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42774	22.935	ug/l	100
3) Chloromethane	2.04	50	52234	23.535	ug/l	94
4) Vinyl Chloride	2.17	62	58456	23.107	ug/l	99
5) Bromomethane	2.55	94	33567	21.640	ug/l	99
6) Chloroethane	2.69	64	29525	23.075	ug/l	99
7) Trichlorofluoromethane	3.00	101	70587	21.642	ug/l	99
8) Diethyl Ether	3.39	74	25073	23.094	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40642	22.444	ug/l	97
10) Methyl Iodide	3.93	142	52600	23.028	ug/l	100
11) Tert butyl alcohol	4.73	59	38972	114.709	ug/l	100
12) 1,1-Dichloroethene	3.72	96	39842	22.586	ug/l	98
13) Acrolein	3.58	56	26919	80.159	ug/l	95
14) Allyl chloride	4.29	41	59126	22.772	ug/l	98
15) Acrylonitrile	4.94	53	100510	121.139	ug/l	99
16) Acetone	3.78	43	109324	110.393	ug/l	98
17) Carbon Disulfide	4.03	76	117204	22.043	ug/l	100
18) Methyl Acetate	4.29	43	45473	24.444	ug/l	96
19) Methyl tert-butyl Ether	5.00	73	132745	22.376	ug/l	99
20) Methylene Chloride	4.52	84	44477	22.511	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	42343	22.020	ug/l	95
22) Diisopropyl ether	5.91	45	133790	23.512	ug/l	98
23) Vinyl Acetate	5.86	43	568098	118.886	ug/l	98
24) 1,1-Dichloroethane	5.82	63	79430	23.043	ug/l	98
25) 2-Butanone	6.80	43	144060	115.664	ug/l	95
26) 2,2-Dichloropropane	6.80	77	73902	22.572	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	49348	21.928	ug/l	97
28) Bromochloromethane	7.17	49	26489	19.547	ug/l	94
29) Tetrahydrofuran	7.18	42	89516	117.154	ug/l	97
30) Chloroform	7.35	83	81212	22.491	ug/l	100
31) Cyclohexane	7.63	56	75419	23.487	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	71692	21.726	ug/l	99
36) 1,1-Dichloropropene	7.77	75	61256	22.155	ug/l	99
37) Ethyl Acetate	6.90	43	58484	23.405	ug/l	99
38) Carbon Tetrachloride	7.75	117	63055	20.999	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	75298	21.939	ug/l	97
40) Benzene	8.02	78	179732	21.914	ug/l	98
41) Methacrylonitrile	7.15	41	23503m	22.428	ug/l	
42) 1,2-Dichloroethane	8.10	62	64574	22.464	ug/l	100
43) Isopropyl Acetate	8.14	43	99138	23.209	ug/l	99
44) Trichloroethene	8.82	130	48551	21.379	ug/l	99
45) 1,2-Dichloropropane	9.10	63	46487	22.894	ug/l	99
46) Dibromomethane	9.19	93	30596	21.323	ug/l	99
47) Bromodichloromethane	9.38	83	63398	21.732	ug/l	99
48) Methyl methacrylate	9.18	41	43070	22.473	ug/l	95
49) 1,4-Dioxane	9.18	88	15277	466.546	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	288948	116.869	ug/l	98
52) Toluene	10.14	92	115073	21.879	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	73123	22.206	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	76384	22.029	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	44431	21.654	ug/l	97
56) Ethyl methacrylate	10.42	69	63873	22.006	ug/l	96
57) 1,3-Dichloropropane	10.70	76	75188	22.208	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	124501	92.071	ug/l	98
59) 2-Hexanone	10.74	43	217962	114.123	ug/l	98
60) Dibromochloromethane	10.89	129	48621	20.650	ug/l	98
61) 1,2-Dibromoethane	11.00	107	45493	21.151	ug/l	100
64) Tetrachloroethene	10.62	164	44259	21.153	ug/l	97
65) Chlorobenzene	11.43	112	119396	21.292	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	46195	21.776	ug/l	99
67) Ethyl Benzene	11.50	91	221639	21.915	ug/l	100
68) m/p-Xylenes	11.62	106	165122	43.501	ug/l	99
69) o-Xylene	11.94	106	79457	21.741	ug/l	99
70) Styrene	11.96	104	125189	21.242	ug/l	99
71) Bromoform	12.12	173	34821	20.408	ug/l #	99
73) Isopropylbenzene	12.24	105	214599	21.747	ug/l	99
74) N-amyl acetate	12.06	43	85251	23.959	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	65645	23.112	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	56803m	22.468	ug/l	
77) Bromobenzene	12.52	156	51215	20.914	ug/l	94
78) n-propylbenzene	12.59	91	249031	22.151	ug/l	98
79) 2-Chlorotoluene	12.67	91	144701	21.898	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	179627	21.893	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22698	21.983	ug/l	98
82) 4-Chlorotoluene	12.77	91	147816	21.803	ug/l	99
83) tert-Butylbenzene	12.99	119	154429	21.277	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	178605	22.053	ug/l	100
85) sec-Butylbenzene	13.17	105	208176	21.658	ug/l	100
86) p-Isopropyltoluene	13.28	119	189192	21.724	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	92804	21.409	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	93558	21.587	ug/l	99
89) n-Butylbenzene	13.61	91	169552	22.135	ug/l	99
90) Hexachloroethane	13.87	117	34473	21.188	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	91521	21.574	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	13665	22.198	ug/l	90

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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	14.91	180	55473	22.255	ug/l	99
94) Hexachlorobutadiene	15.01	225	30801	21.108	ug/l	98
95) Naphthalene	15.13	128	149156	22.152	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	54186	21.829	ug/l	99

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

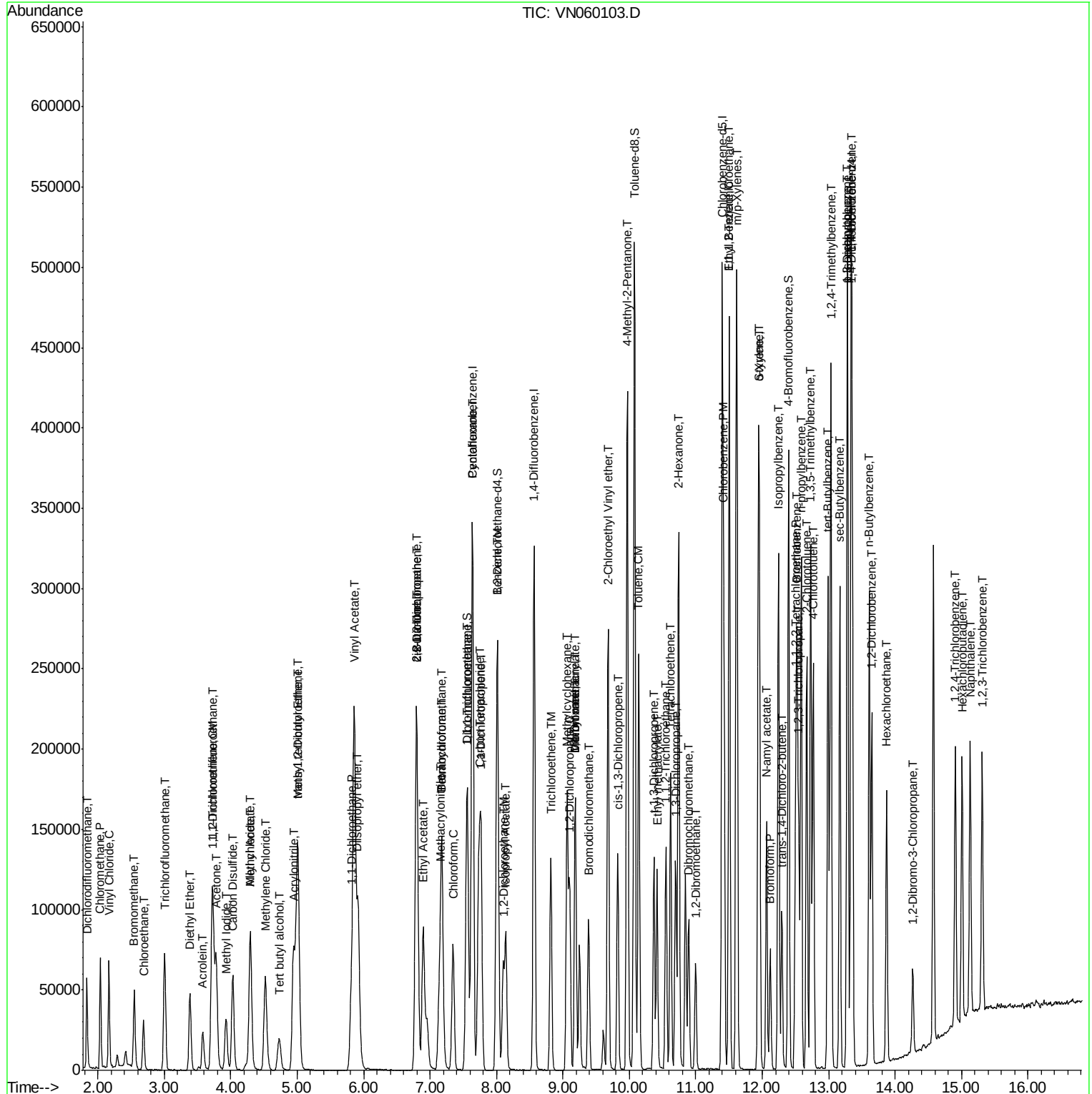
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Data File : VN060103.D
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Operator : JC/MD
Sample : VN0214MBS01
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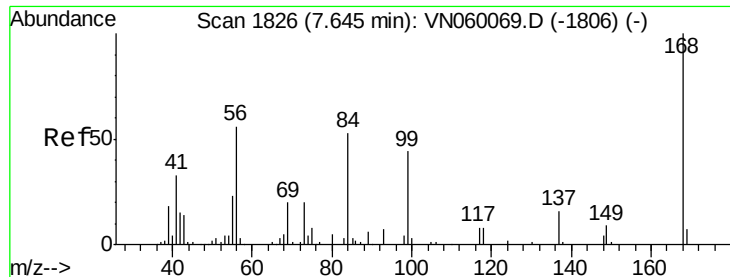
Instrument :
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ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0214MBS01

Tot Ion:168 Resp: 186580

Ion Ratio Lower Upper

168 100

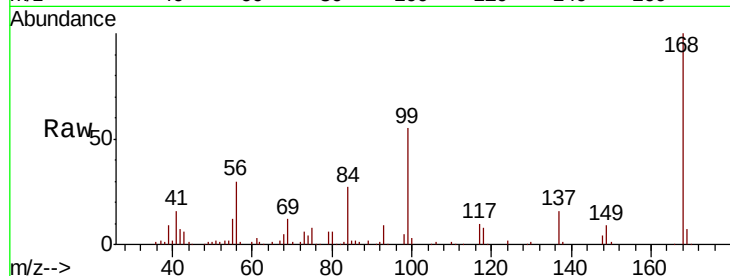
99 54.8 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

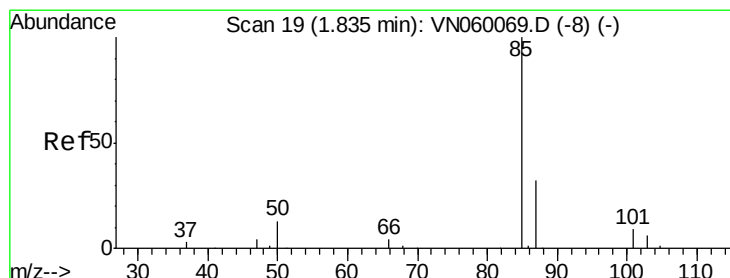
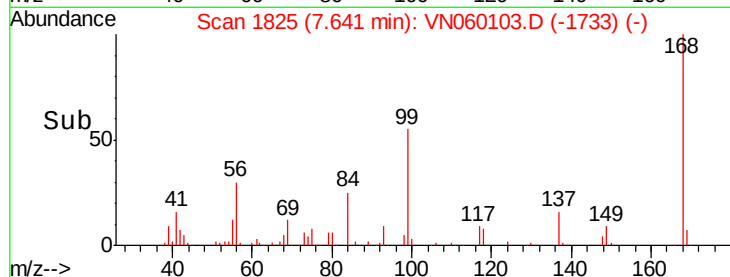
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 22.935 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060103.D

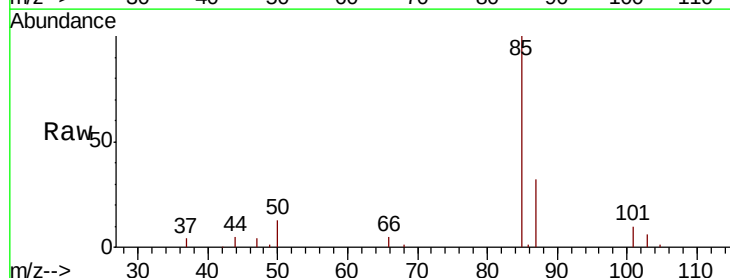
Acq: 14 Feb 2020 12:05

Tgt Ion: 85 Resp: 42774

Ion Ratio Lower Upper

85 100

87 32.3 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

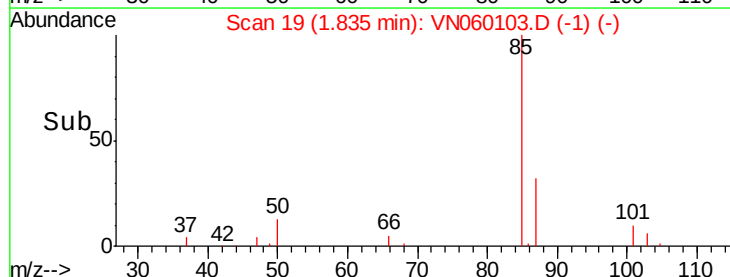
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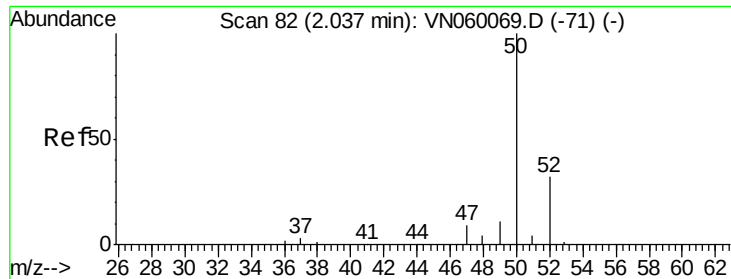
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 23.535 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0214MBS01

Tot Ion: 50 Resp: 52234

Ion Ratio Lower Upper

50 100

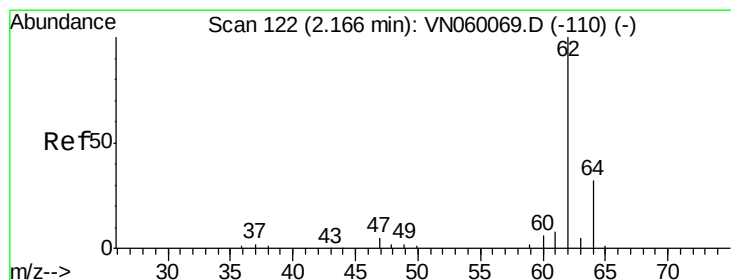
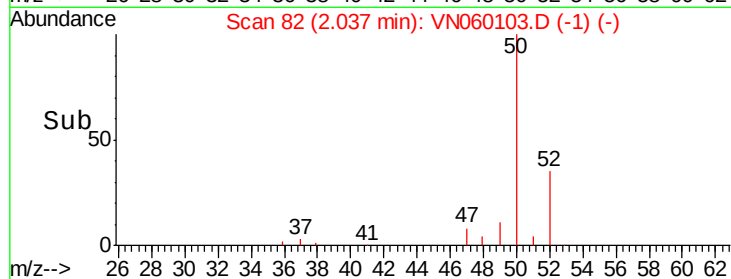
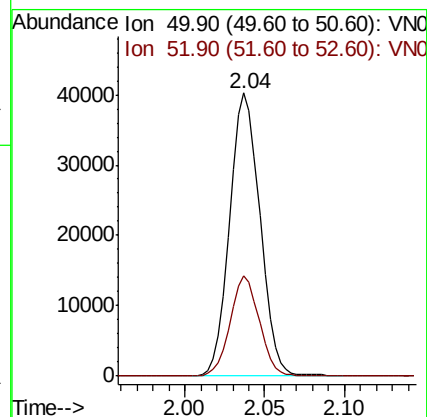
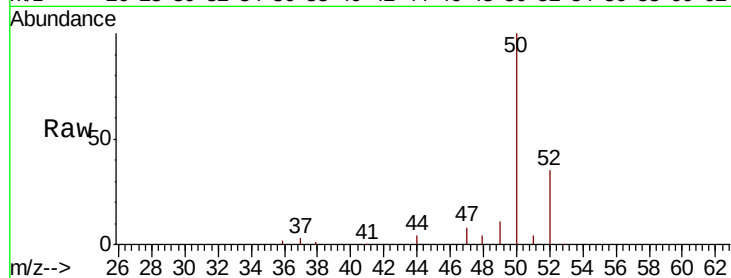
52 35.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.107 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060103.D

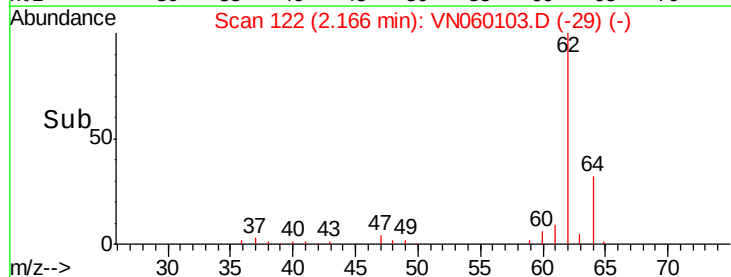
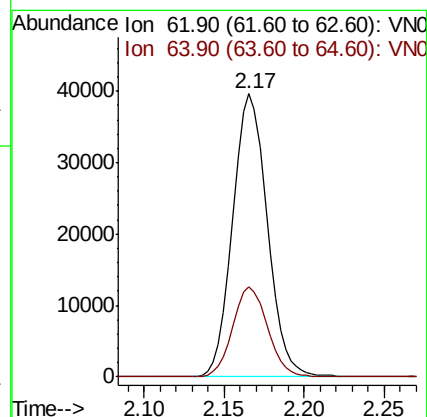
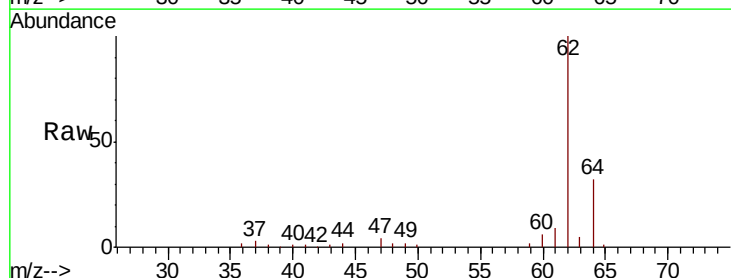
Acq: 14 Feb 2020 12:05

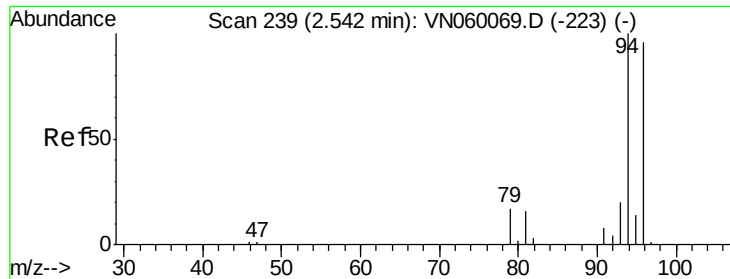
Tgt Ion: 62 Resp: 58456

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9





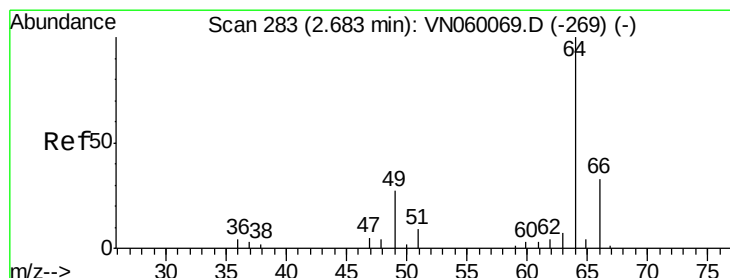
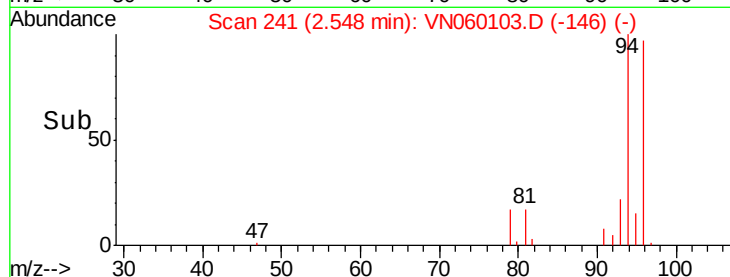
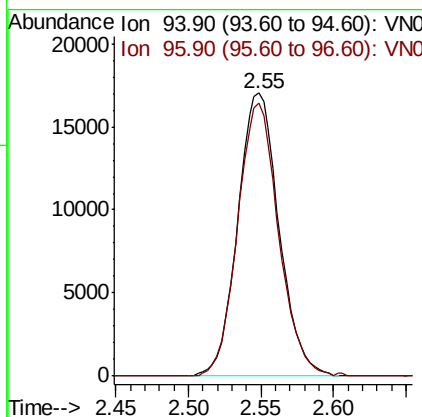
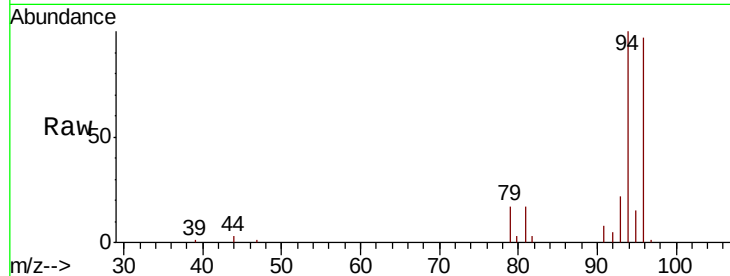
#5
Bromomethane
Concen: 21.640 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 33567
Ion Ratio Lower Upper
94 100
96 96.7 76.7 115.1

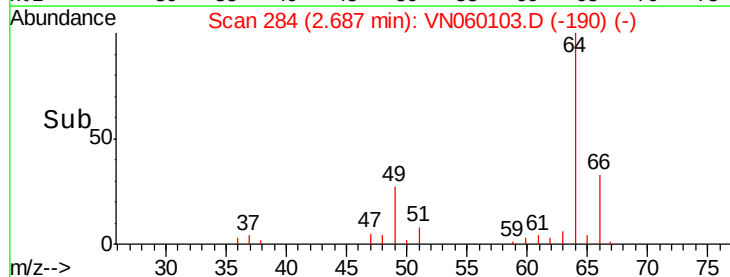
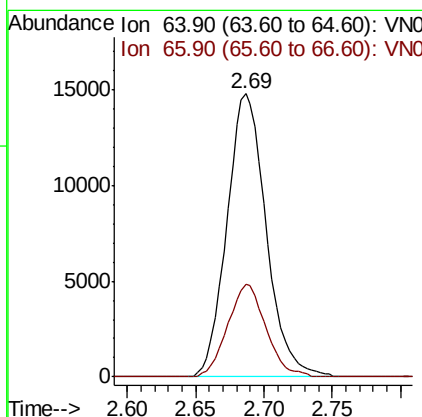
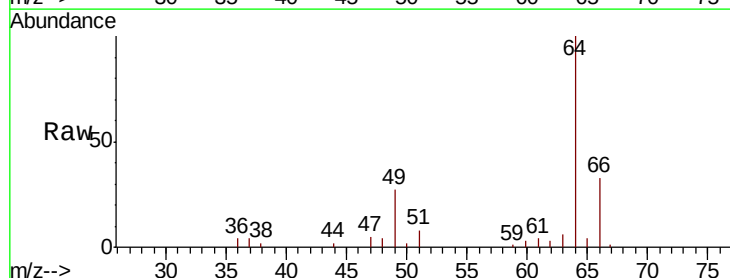
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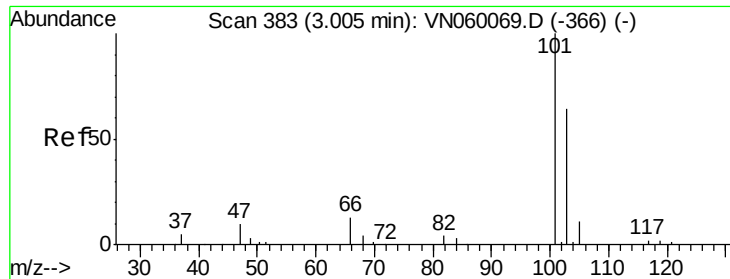
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2/18/2020 9:30:25 AM



#6
Chloroethane
Concen: 23.075 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 64 Resp: 29525
Ion Ratio Lower Upper
64 100
66 32.7 26.6 40.0





#7

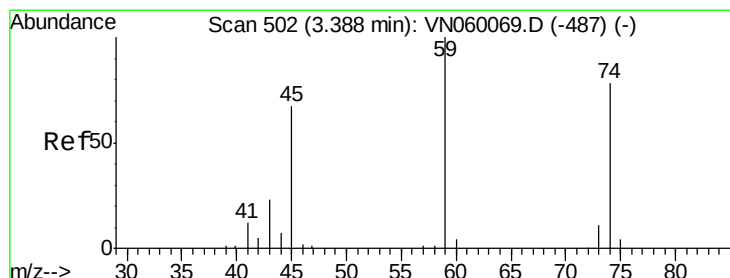
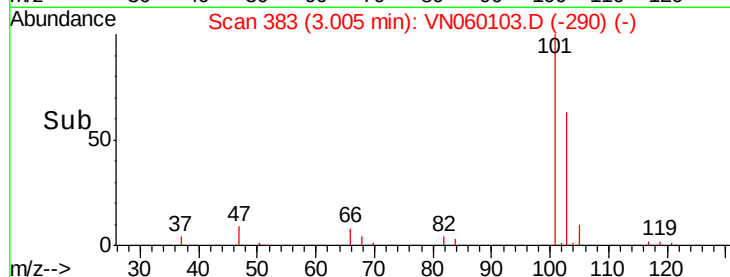
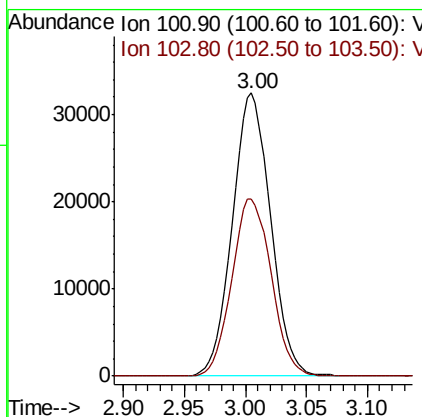
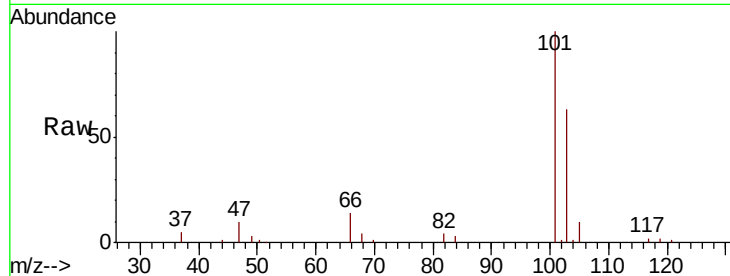
Trichlorofluoromethane
Concen: 21.642 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion:101 Resp: 70587
Ion Ratio Lower Upper
101 100
103 62.8 51.0 76.6

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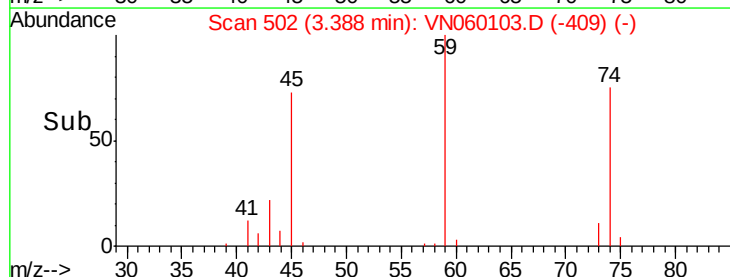
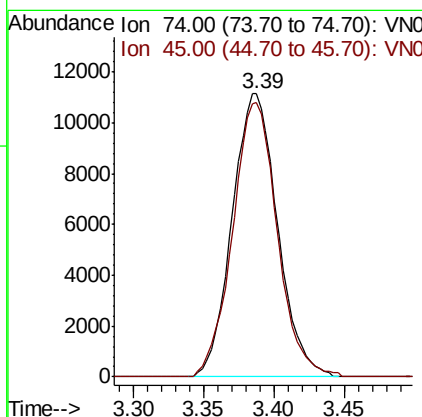
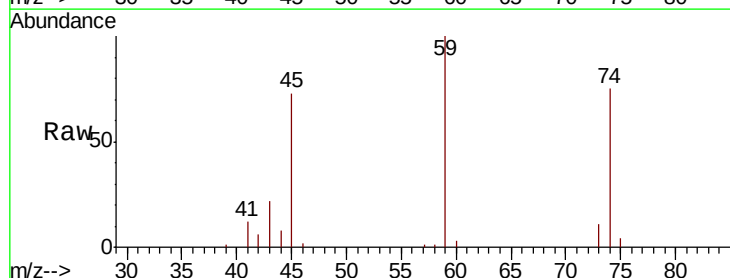
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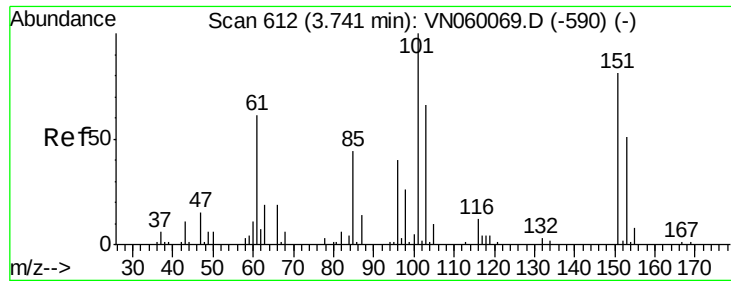


#8

Diethyl Ether
Concen: 23.094 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 74 Resp: 25073
Ion Ratio Lower Upper
74 100
45 95.5 44.7 134.1





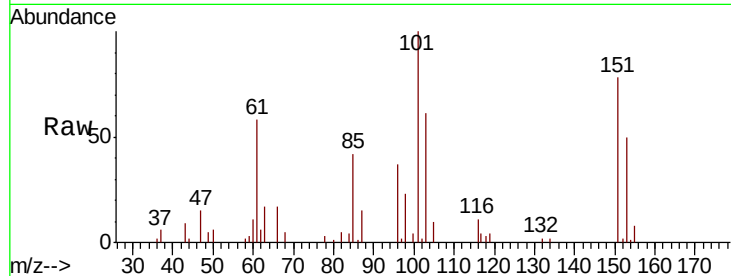
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.444 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

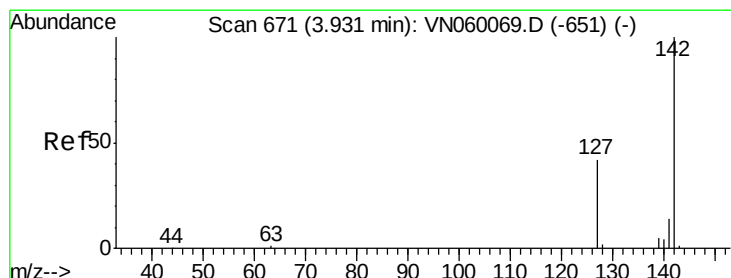
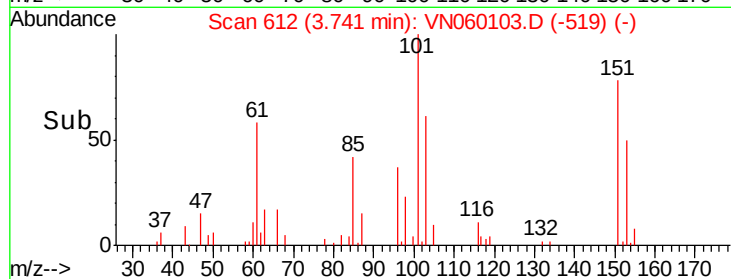
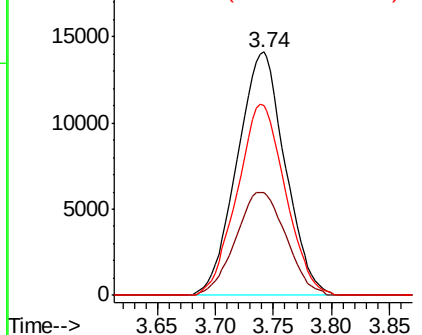
Tot Ion	Ratio	Resp	Lower	Upper
101	100	40642		
85	44.2	35.1	52.7	
151	78.7	65.8	98.6	

Manual Integrations
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MMDadoda
2/18/2020 9:30:25 AM

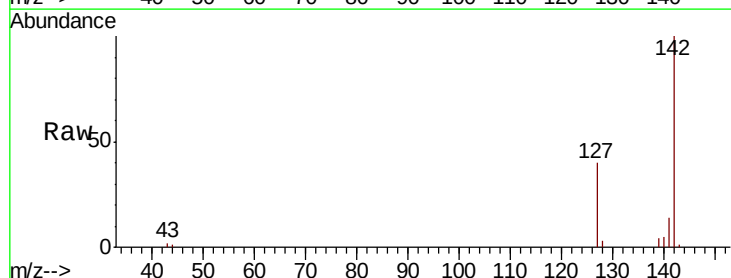


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

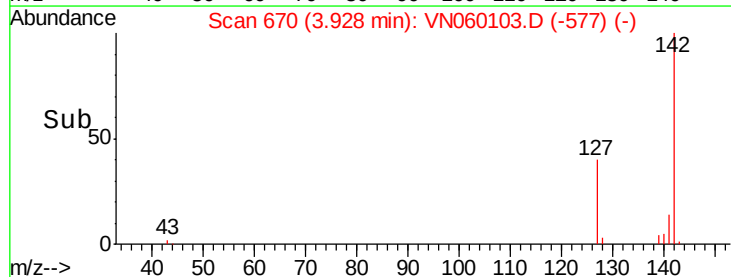
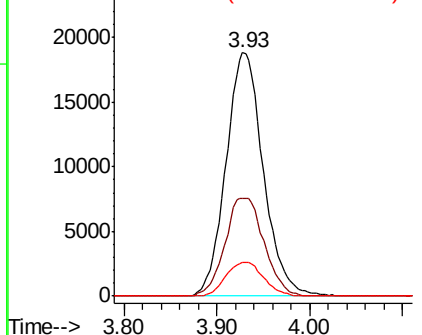


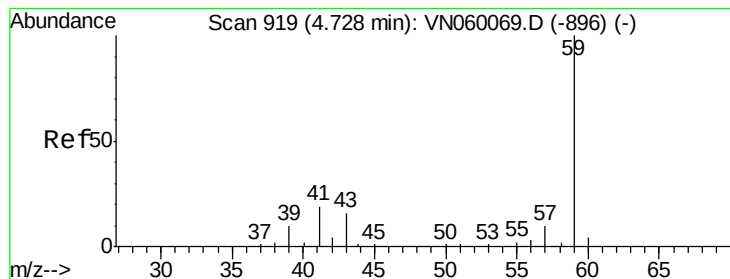
#10
Methyl Iodide
Concen: 23.028 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	52600		
127	42.1	33.6	50.4	
141	14.0	11.4	17.2	



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

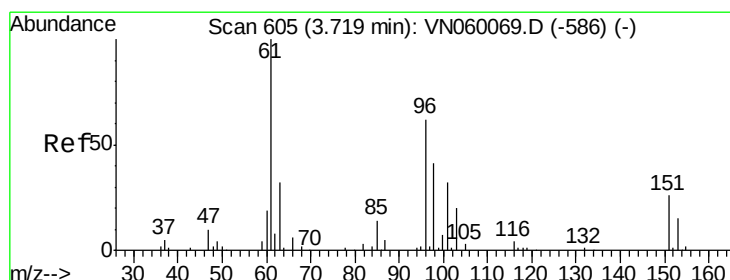
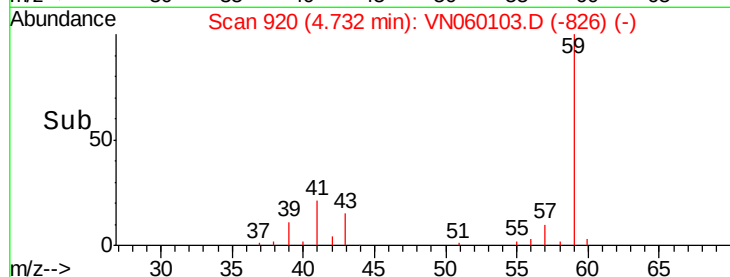
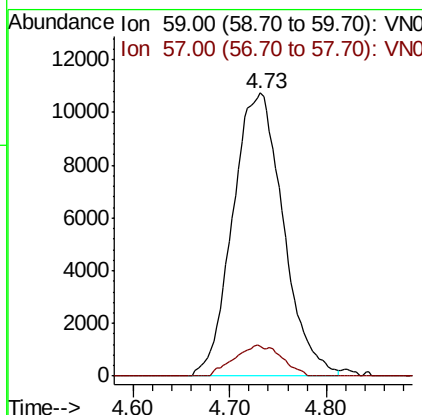
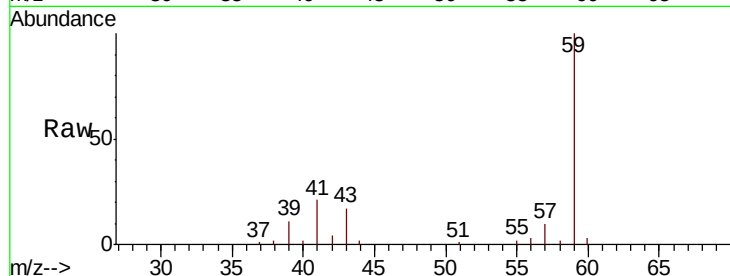
Tert butyl alcohol
 Concen: 114.709 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
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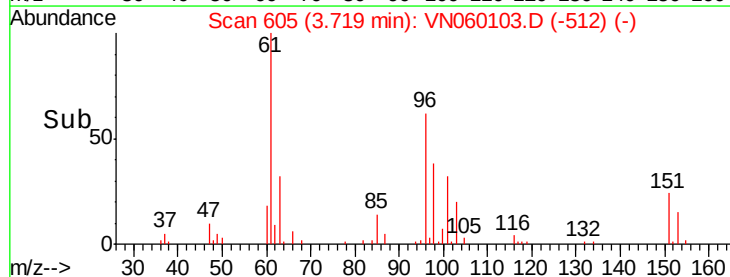
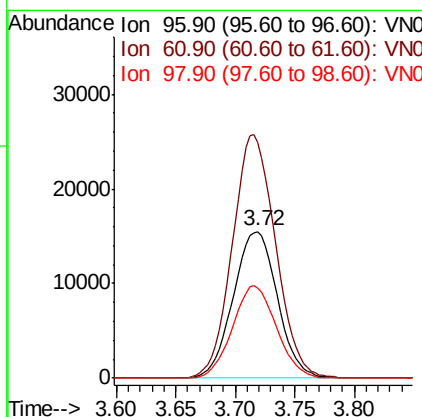
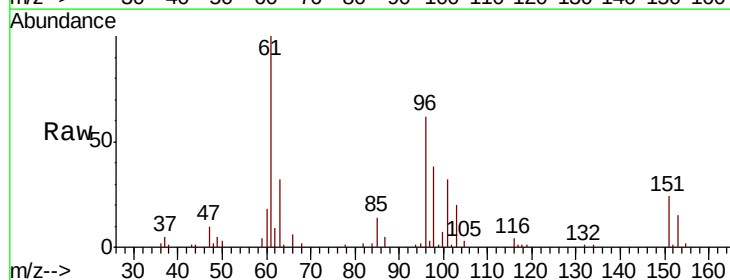
MMDadoda
 2/18/2020 9:30:25 AM

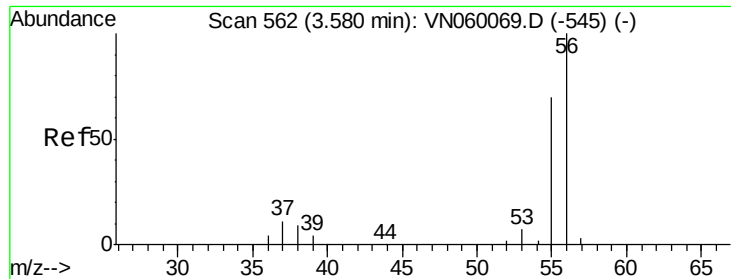


#12

1,1-Dichloroethene
 Concen: 22.586 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	128.3	192.5
98	61.7	52.2	78.4





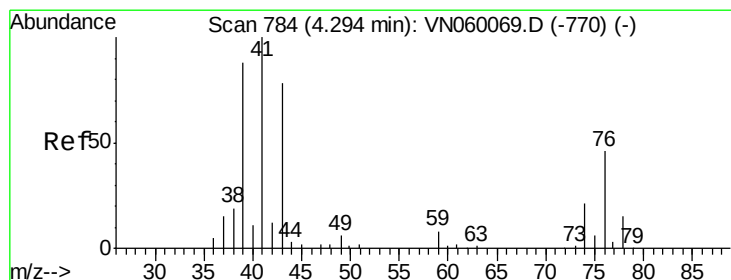
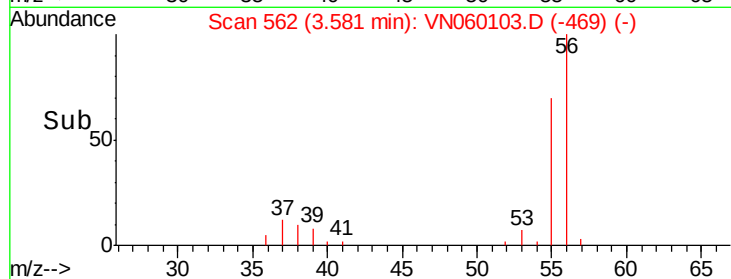
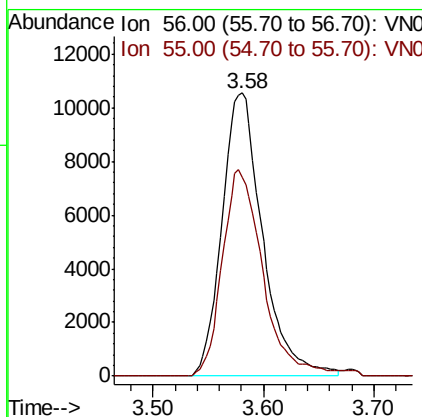
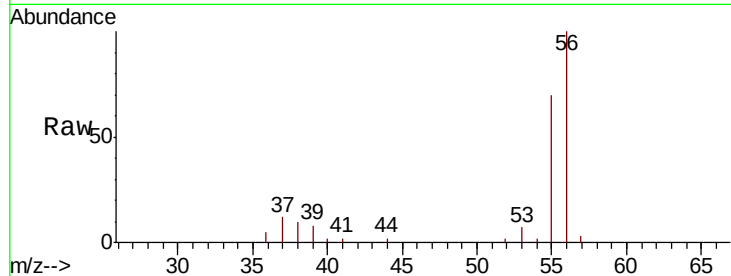
#13
Acrolein
Concen: 80.159 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	56	Resp	26919
Ion Ratio	100	Lower	Upper
55	72.4	54.8	82.2

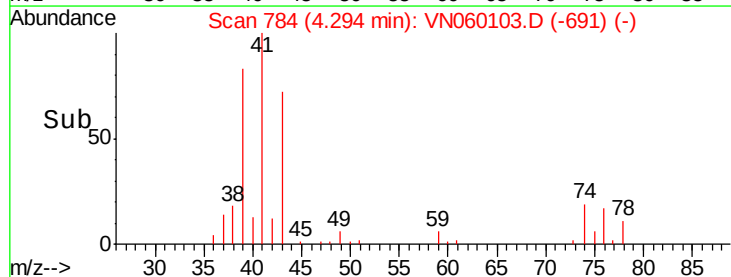
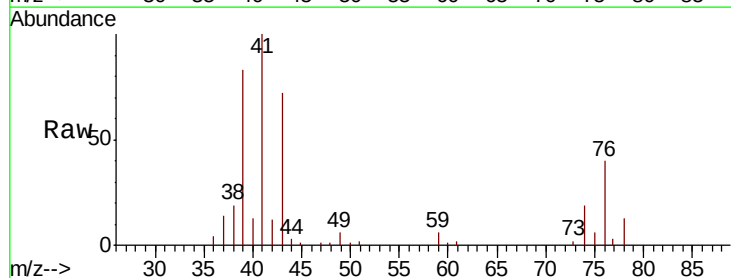
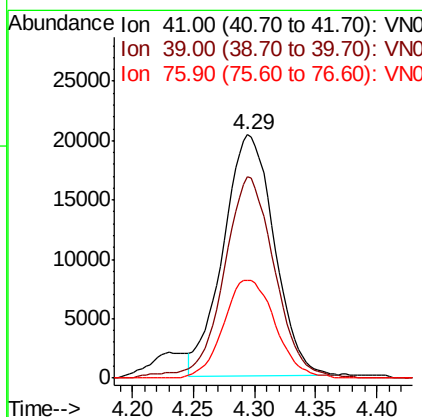
Manual Integrations
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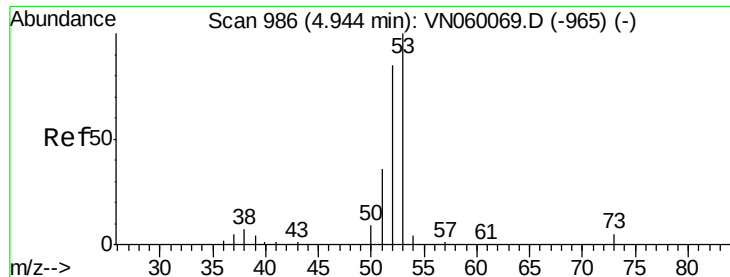
MMDadoda
2/18/2020 9:30:25 AM



#14
Allyl chloride
Concen: 22.772 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	41	Resp	59126
Ion Ratio	100	Lower	Upper
39	83.2	67.8	101.8
76	41.2	33.9	50.9





#15

Acrylonitrile

Concen: 121.139 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

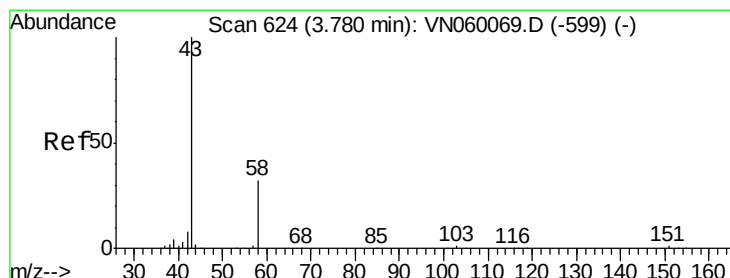
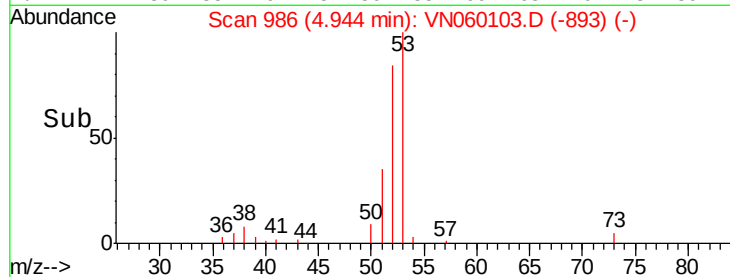
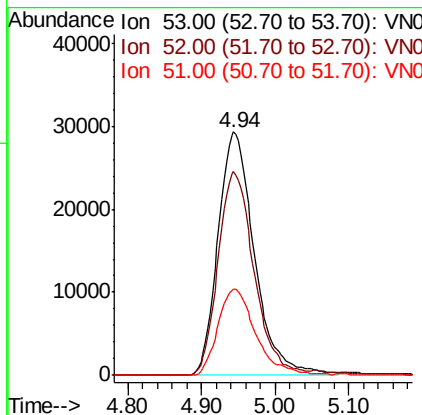
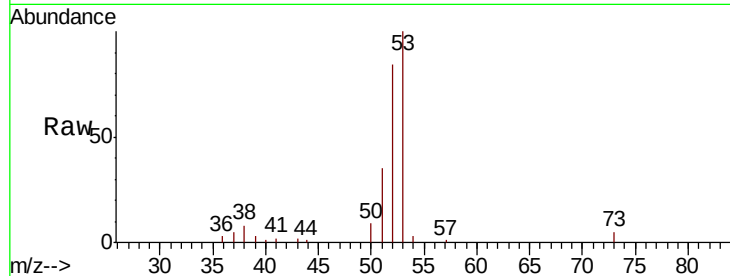
ClientSampleId :

VN0214MBS01

Tot Ion:	53	Resp:	100510
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.8	100.2
51	36.6	29.4	44.0

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2/18/2020 9:30:25 AM



#16

Acetone

Concen: 110.393 ug/l

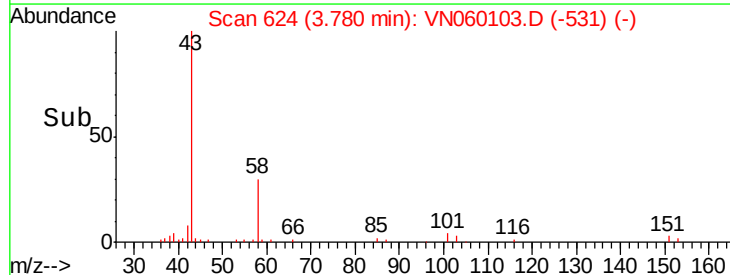
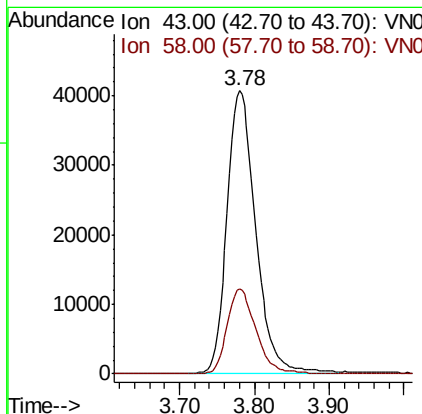
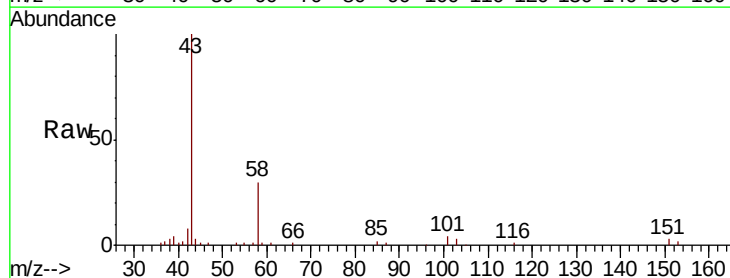
RT: 3.78 min Scan# 624

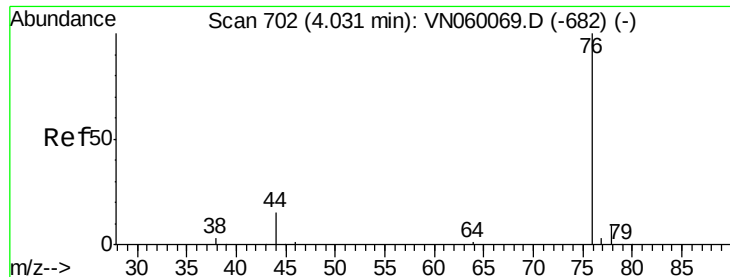
Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Tgt Ion:	43	Resp:	109324
Ion	Ratio	Lower	Upper
43	100		
58	30.1	25.2	37.8





#17

Carbon Disulfide

Concen: 22.043 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0214MBS01

Tot Ion: 76 Resp: 117204

Ion Ratio Lower Upper

76 100

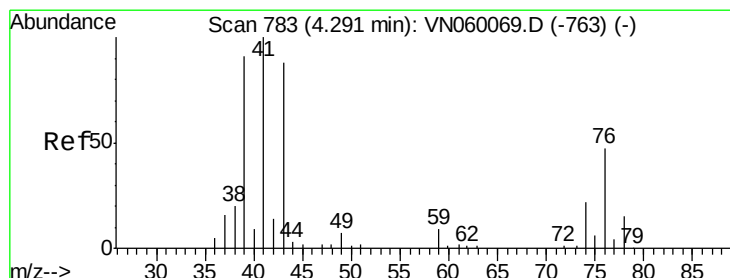
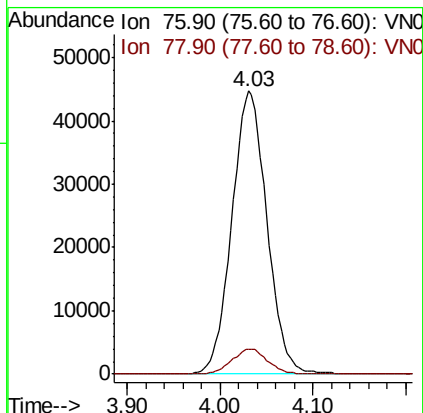
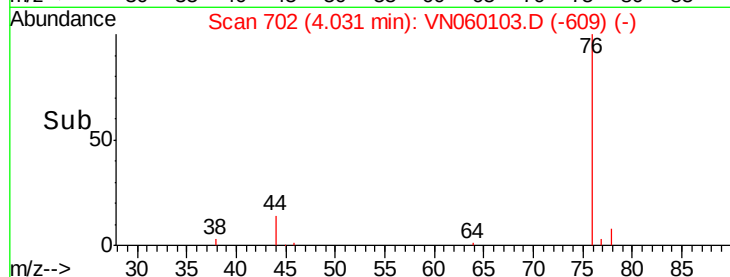
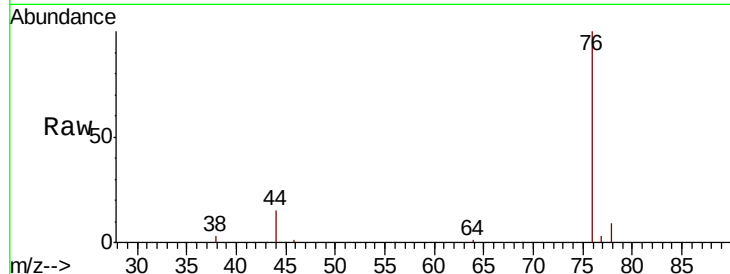
78 8.8 7.0 10.6

Manual Integrations

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2/18/2020 9:30:25 AM



#18

Methyl Acetate

Concen: 24.444 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060103.D

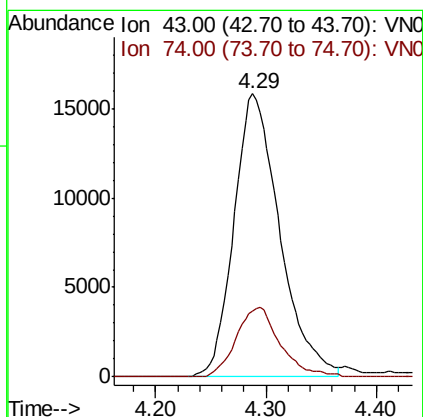
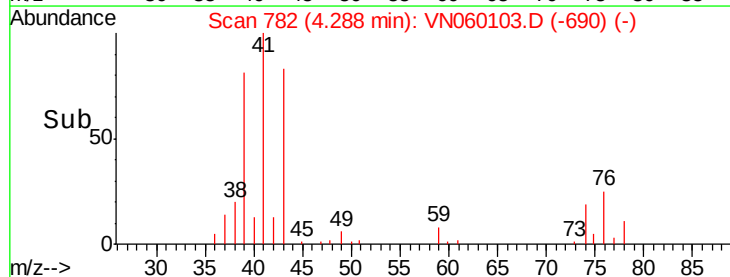
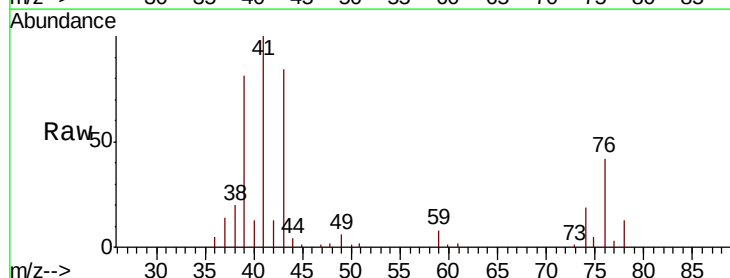
Acq: 14 Feb 2020 12:05

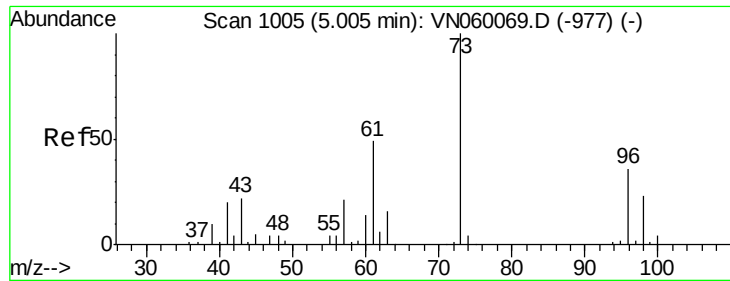
Tgt Ion: 43 Resp: 45473

Ion Ratio Lower Upper

43 100

74 23.5 20.3 30.5





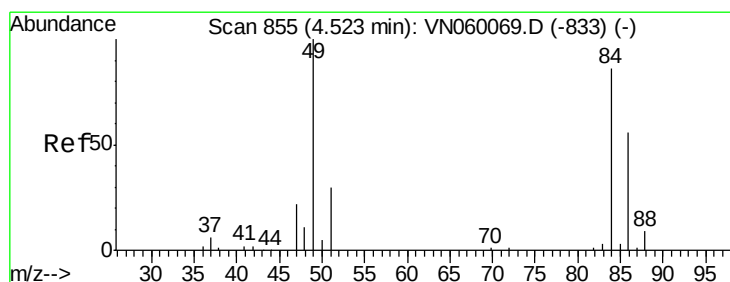
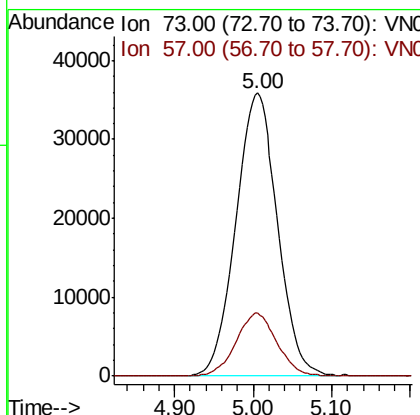
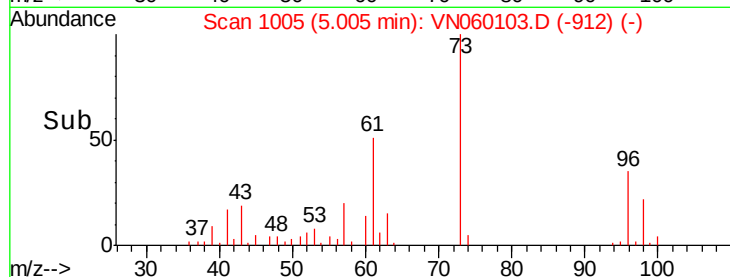
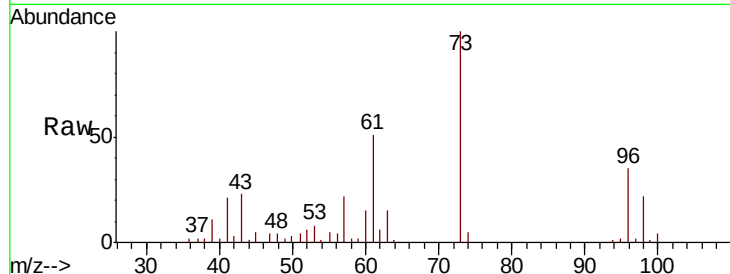
#19
Methyl tert-butyl Ether
Concen: 22.376 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0214MBS01

Tot Ion: 73 Resp: 132745
Ion Ratio Lower Upper
73 100
57 22.2 17.2 25.8

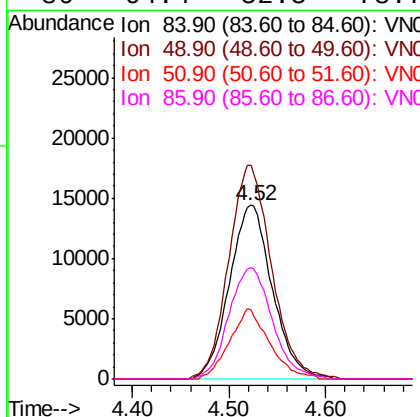
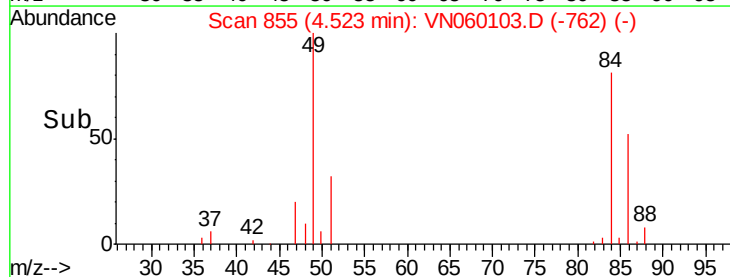
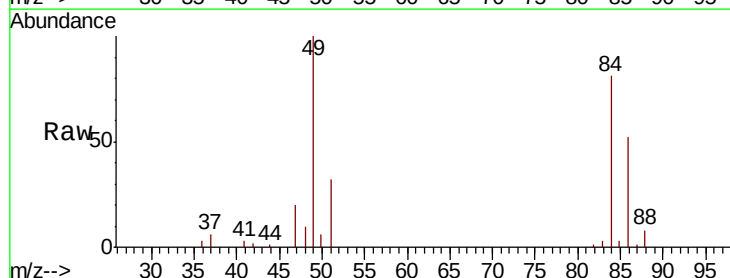
Manual Integrations
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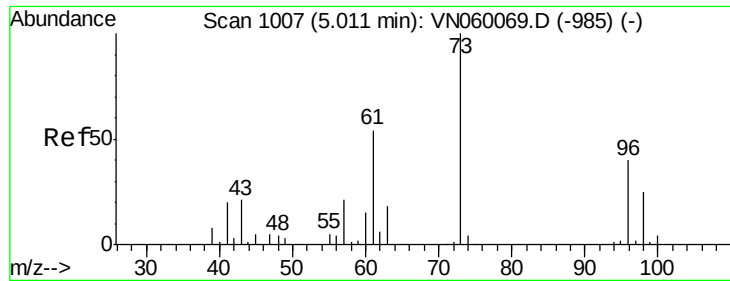
MMDadoda
2/18/2020 9:30:25 AM



#20
Methylene Chloride
Concen: 22.511 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 84 Resp: 44477
Ion Ratio Lower Upper
84 100
49 123.0 93.4 140.0
51 39.6 28.4 42.6
86 64.4 52.5 78.7





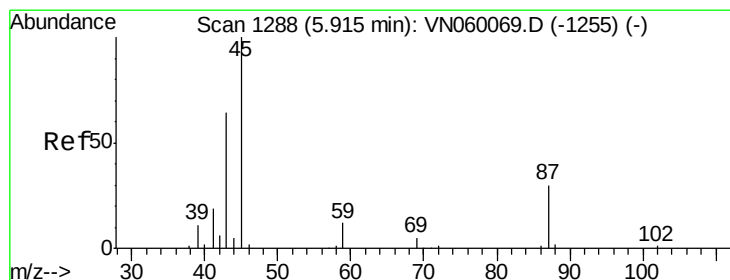
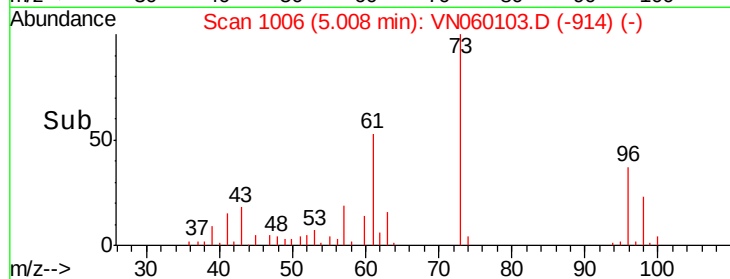
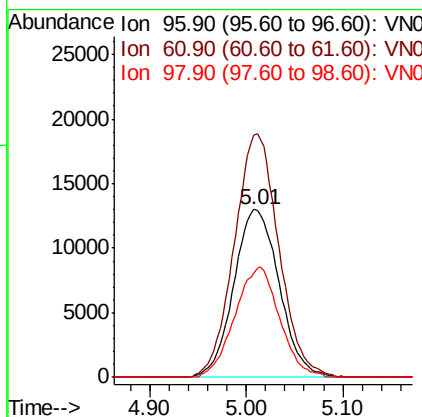
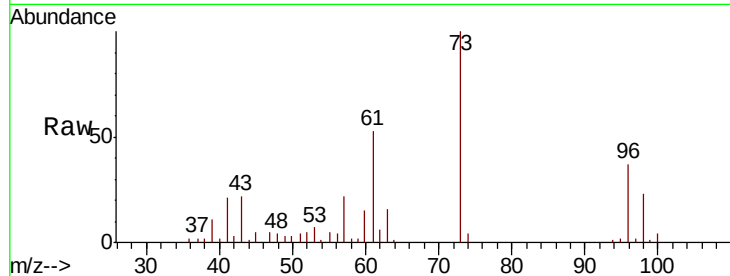
#21
trans-1,2-Dichloroethene
Concen: 22.020 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	109.3	163.9
98	61.7	51.0	76.6

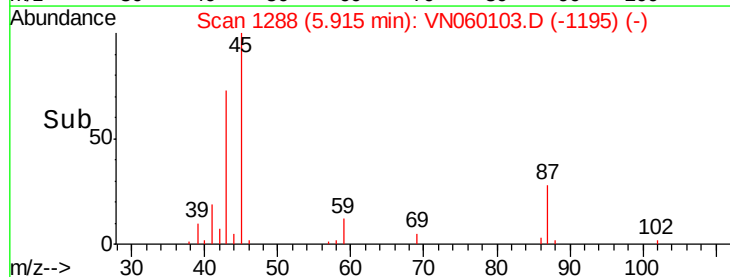
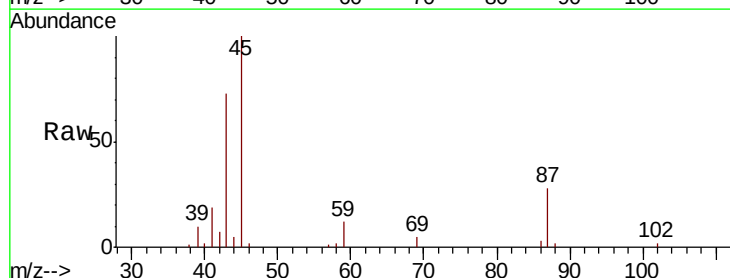
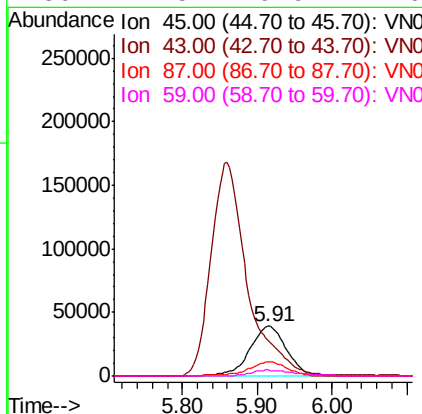
Manual Integrations
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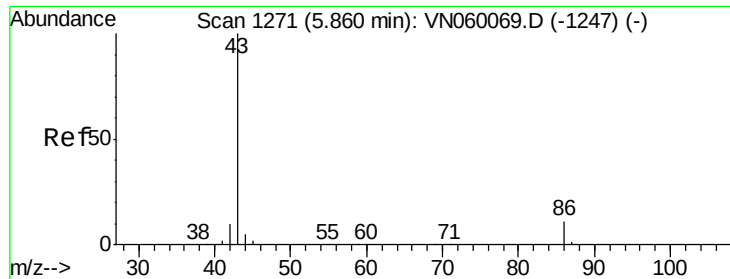
MMDadoda
2/18/2020 9:30:25 AM



#22
Diisopropyl ether
Concen: 23.512 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.4	55.9	83.9
87	28.3	24.5	36.7
59	11.5	9.9	14.9





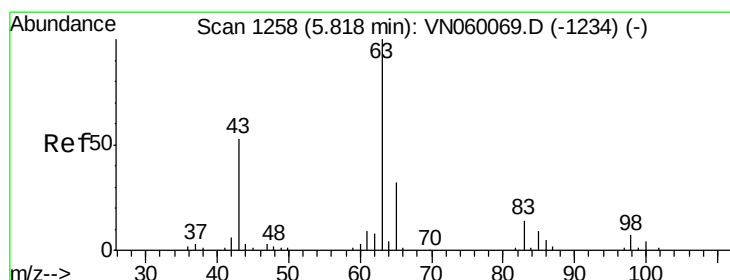
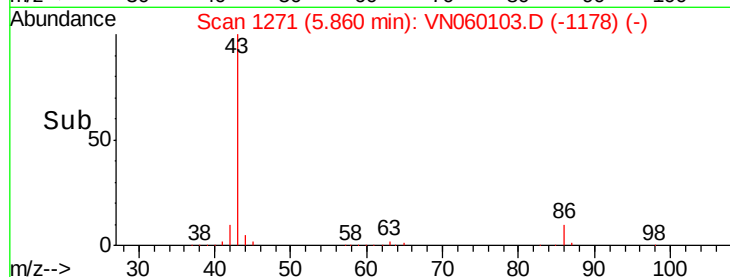
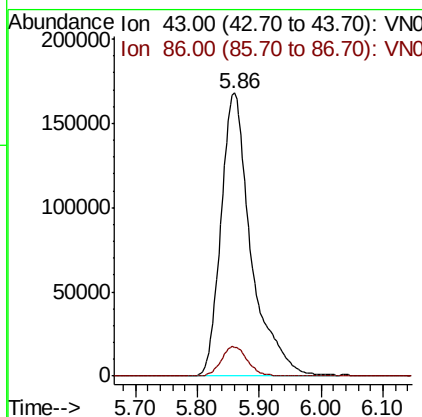
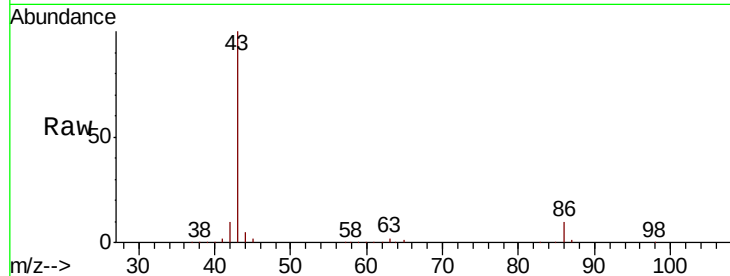
#23
 Vinyl Acetate
 Concen: 118.886 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Tot Ion	43	Resp	568098
Ion Ratio	100	Lower	Upper
43	100		
86	10.3	8.9	13.3

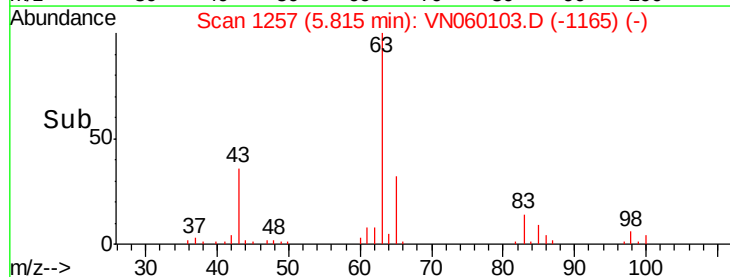
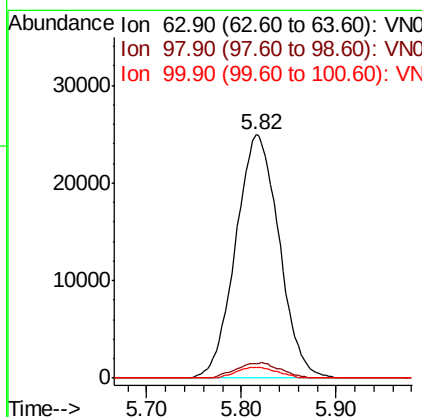
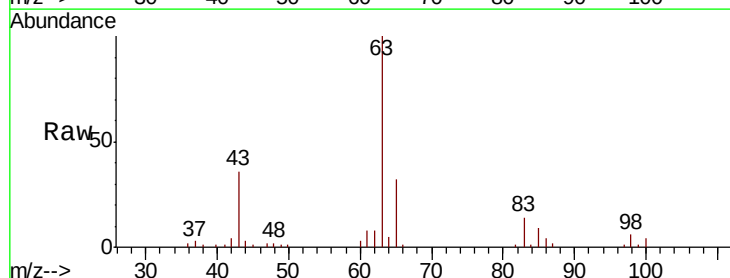
Manual Integrations
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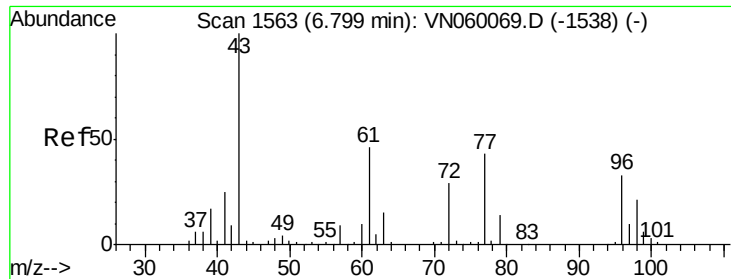
MMDadoda
 2/18/2020 9:30:25 AM



#24
 1,1-Dichloroethane
 Concen: 23.043 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	63	Resp	79430
Ion Ratio	100	Lower	Upper
63	100		
98	6.0	3.5	10.5
100	4.3	2.2	6.6





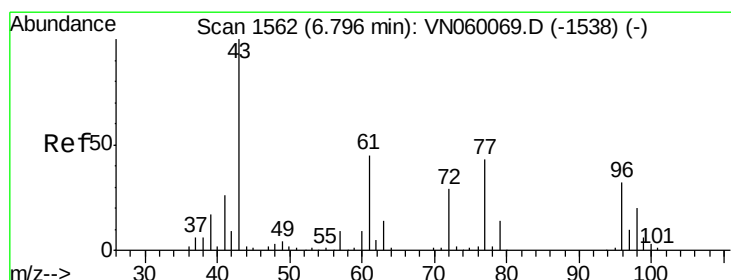
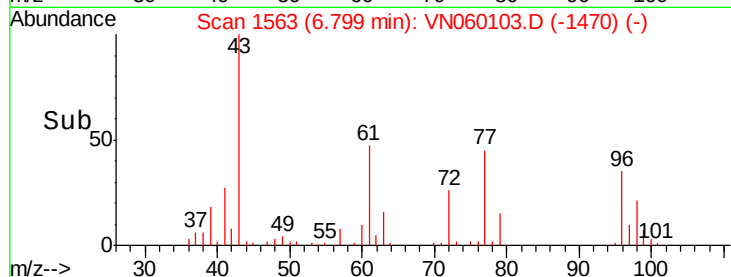
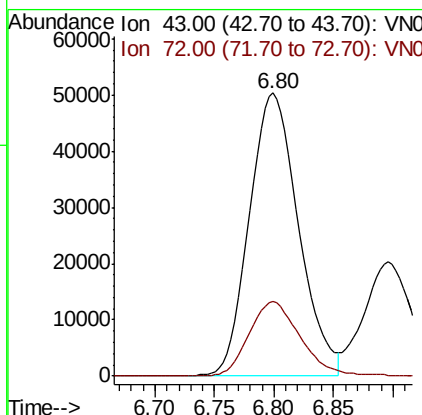
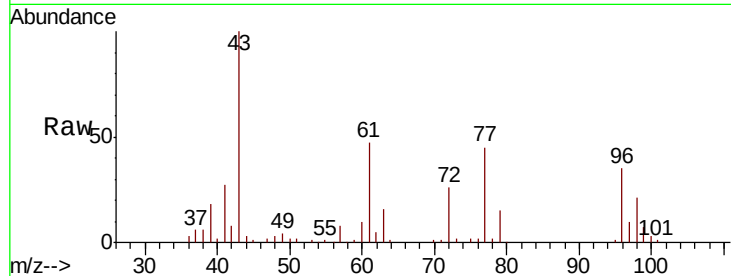
#25
2-Butanone
Concen: 115.664 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion: 43 Resp: 144060
Ion Ratio Lower Upper
43 100
72 26.4 23.3 34.9

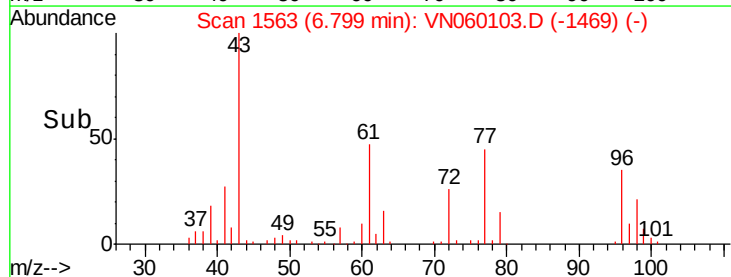
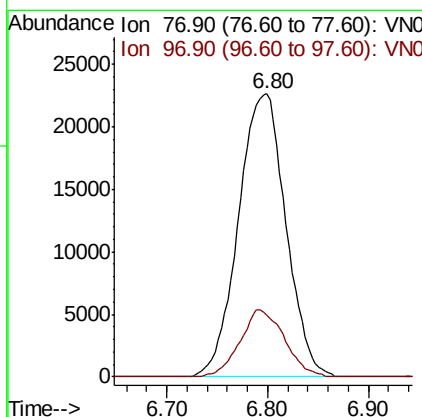
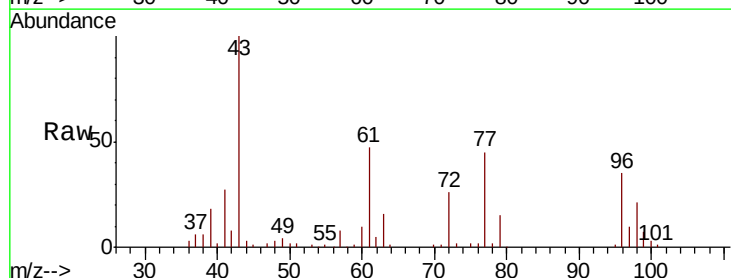
Manual Integrations
APPROVED

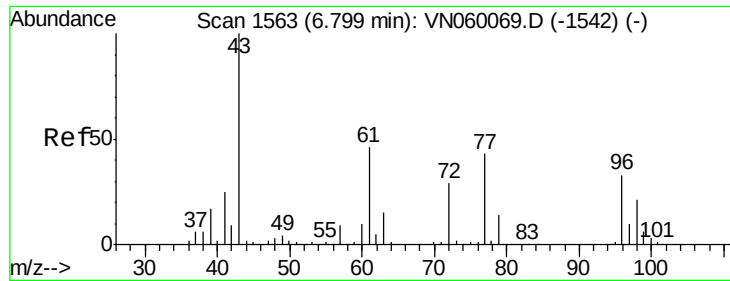
MMDadoda
2/18/2020 9:30:25 AM



#26
2,2-Dichloropropane
Concen: 22.572 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 77 Resp: 73902
Ion Ratio Lower Upper
77 100
97 22.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 21.928 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

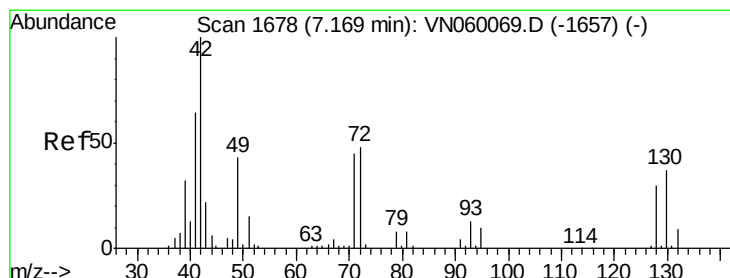
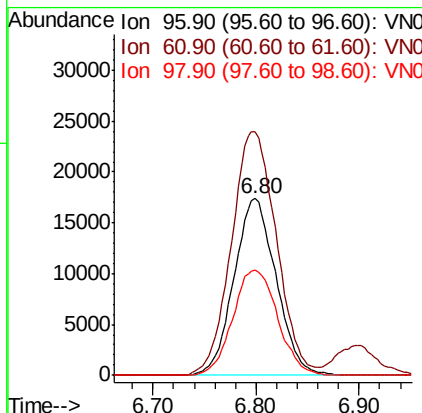
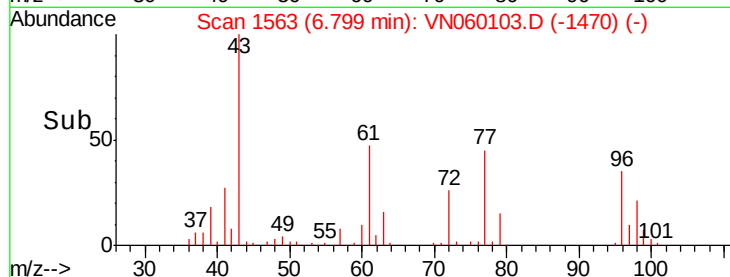
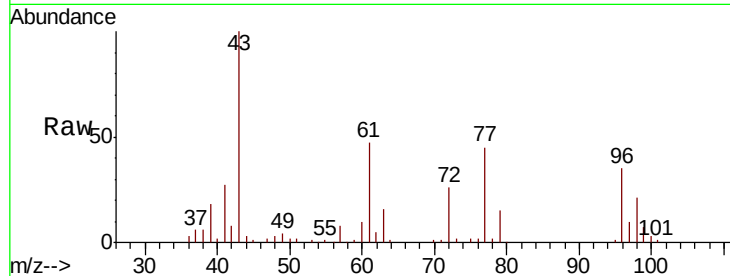
ClientSampleId :

VN0214MBS01

Tot Ion:	96	Resp:	49348
Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	285.8
98	63.3	0.0	129.6

Manual Integrations
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MMDadoda
2/18/2020 9:30:25 AM



#28

Bromochloromethane

Concen: 19.547 ug/l

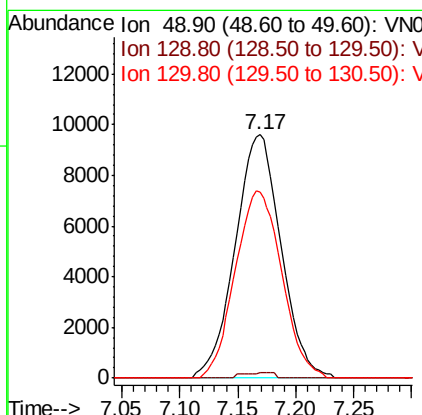
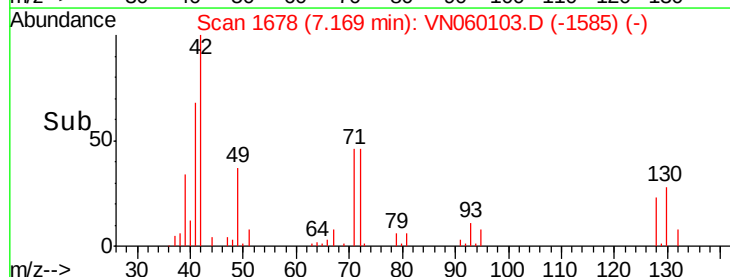
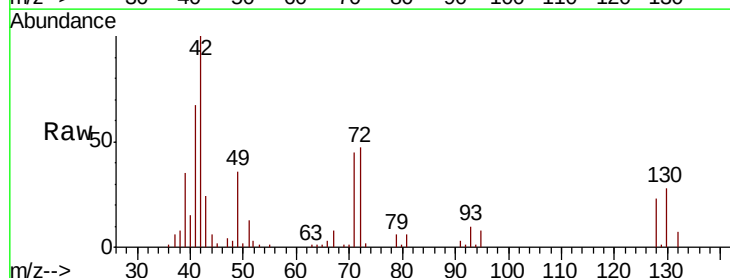
RT: 7.17 min Scan# 1678

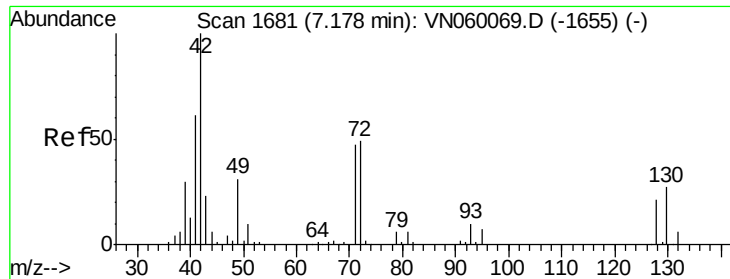
Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Tgt Ion:	49	Resp:	26489
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.2
130	77.6	66.8	100.2





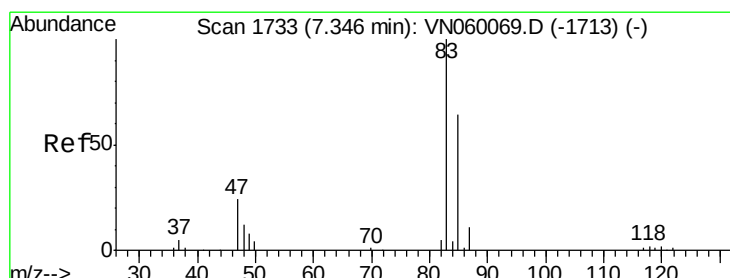
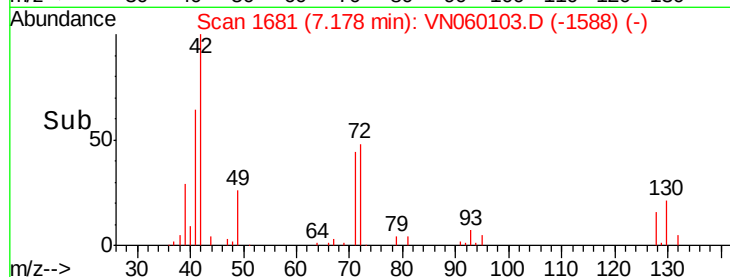
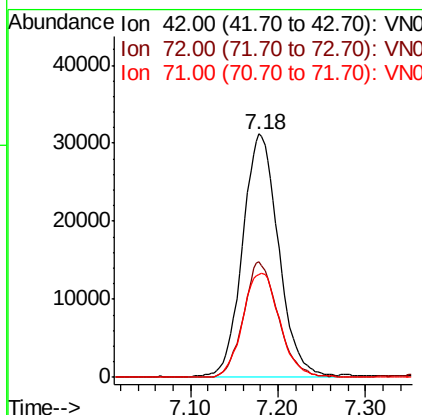
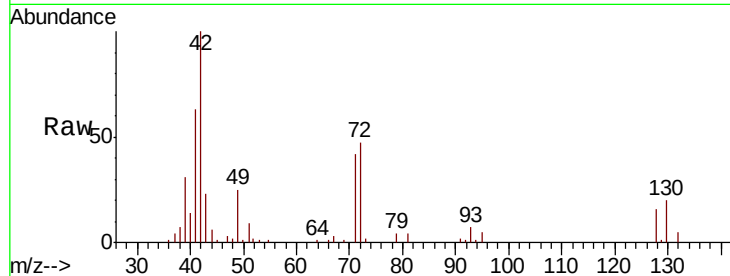
#29
Tetrahydrofuran
Concen: 117.154 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	38.2	57.4
71	43.6	36.6	54.8

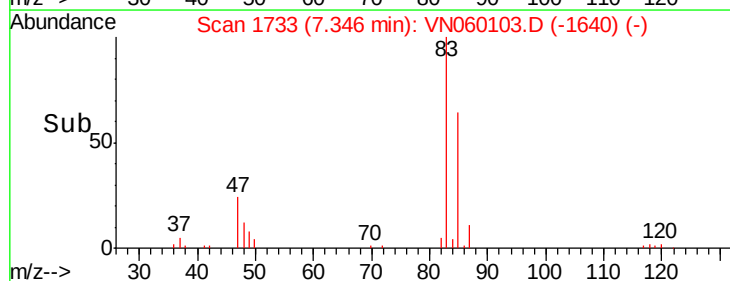
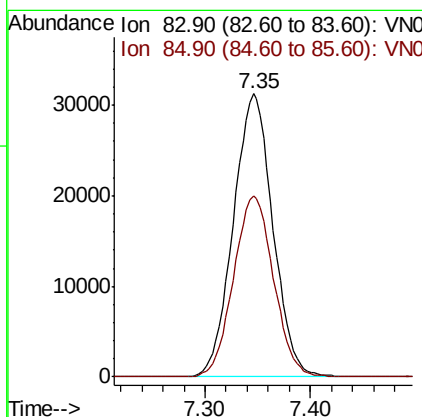
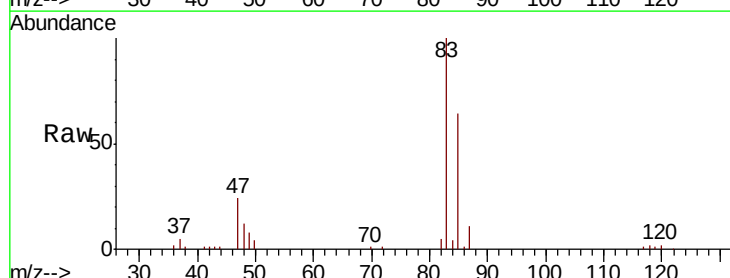
Manual Integrations
APPROVED

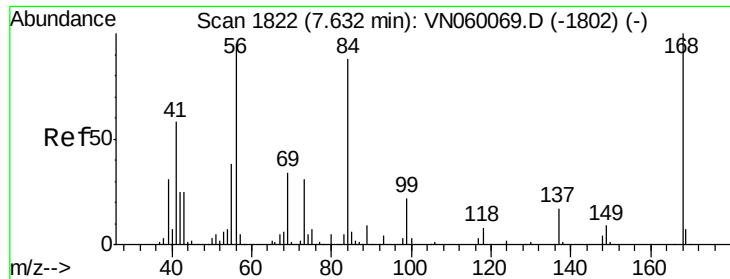
MMDadoda
2/18/2020 9:30:25 AM



#30
Chloroform
Concen: 22.491 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.0





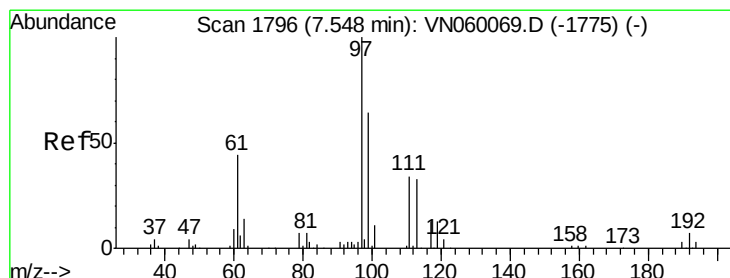
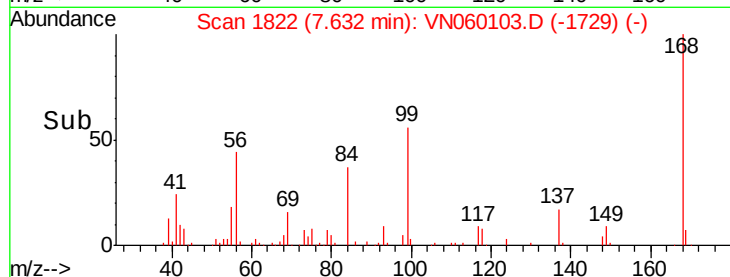
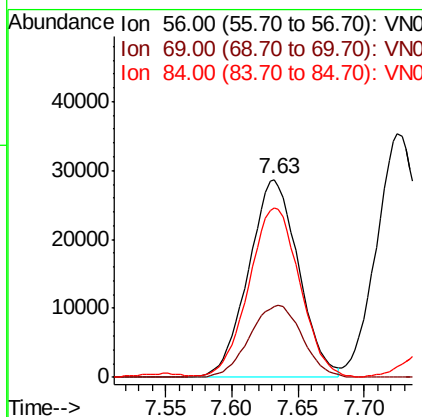
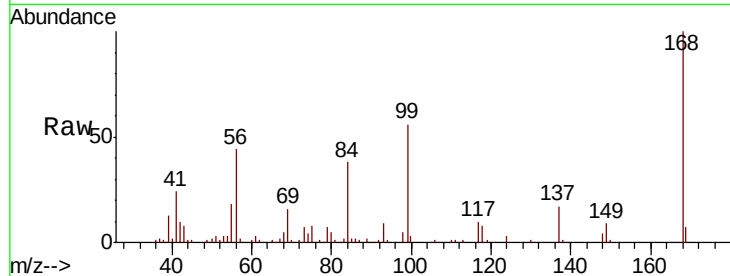
#31
Cyclohexane
Concen: 23.487 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	28.3	42.5
84	84.9	72.6	108.8

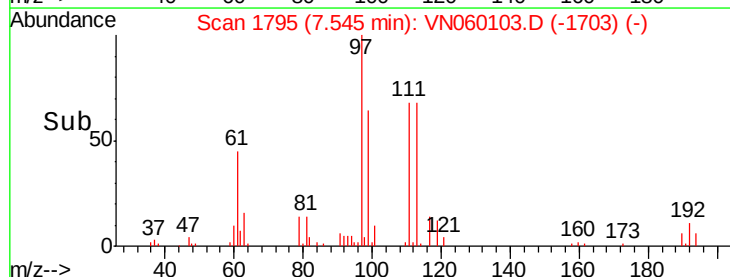
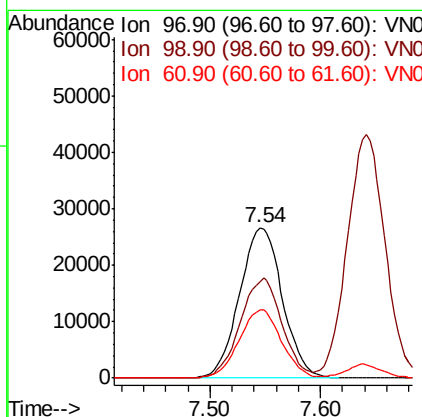
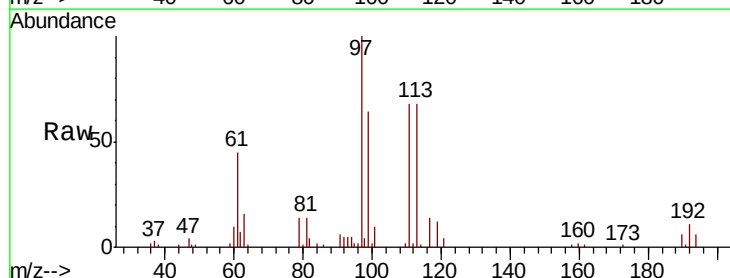
Manual Integrations
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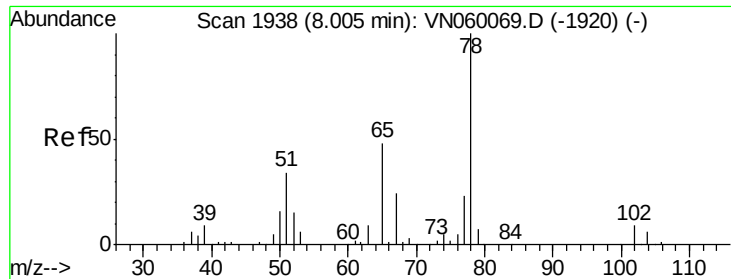
MMDadoda
2/18/2020 9:30:25 AM



#32
1,1,1-Trichloroethane
Concen: 21.726 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	44.9	34.9	52.3





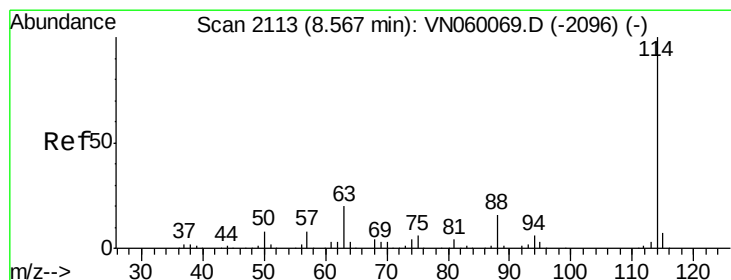
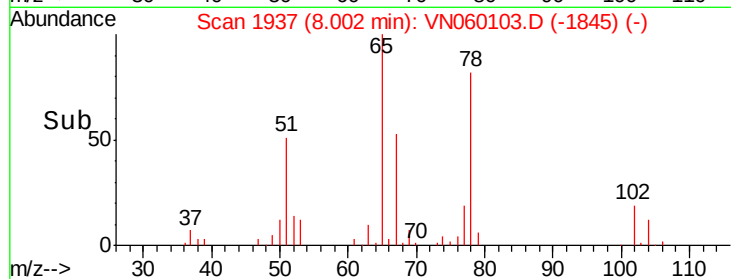
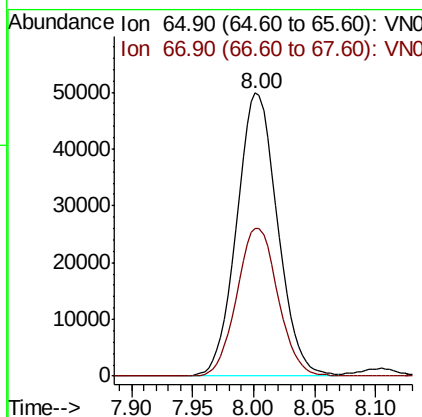
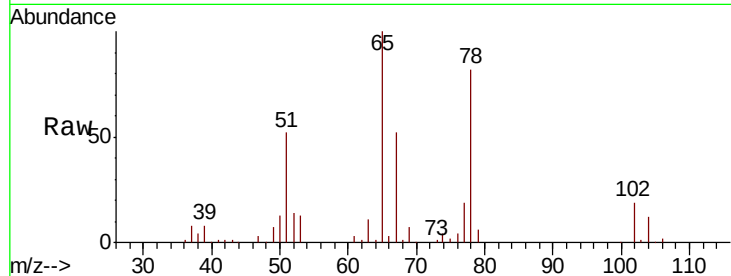
#33
 1,2-Dichloroethane-d4
 Concen: 50.826 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0214MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115394		
67	52.6	0.0	104.0	

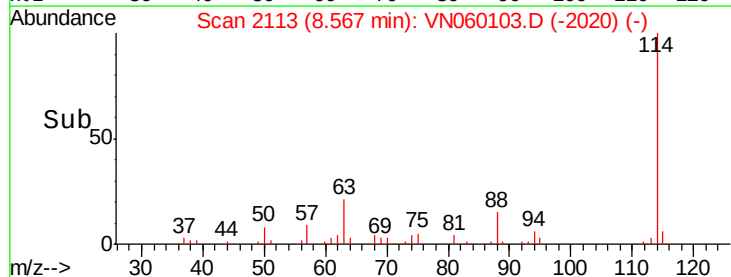
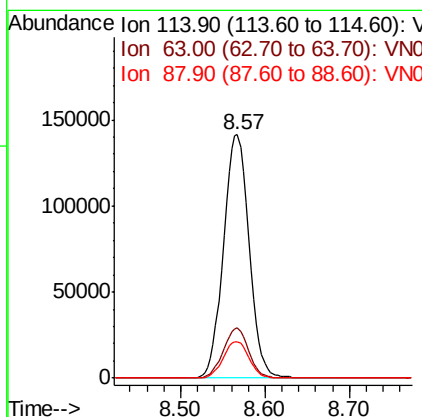
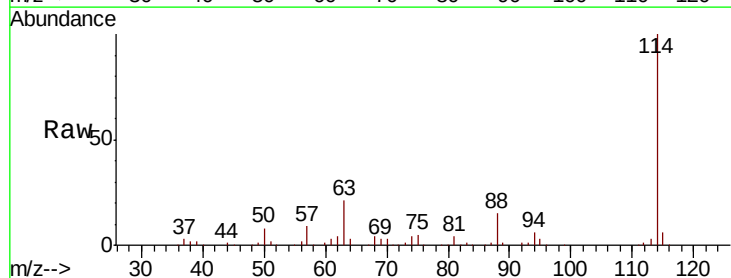
Manual Integrations
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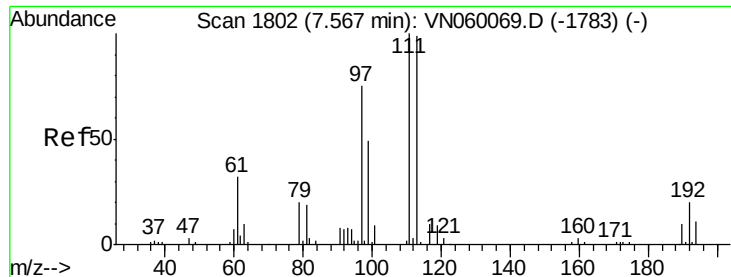
MMDadoda
 2/18/2020 9:30:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	298504		
63	20.5	0.0	40.0	
88	15.1	0.0	31.6	





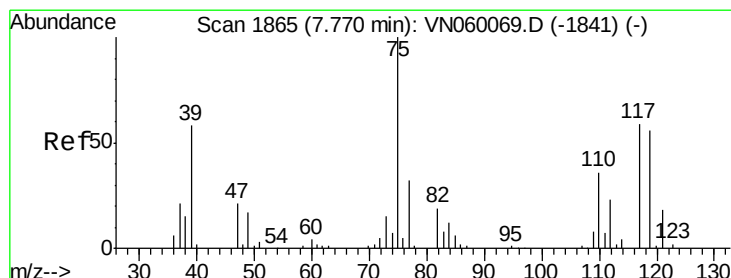
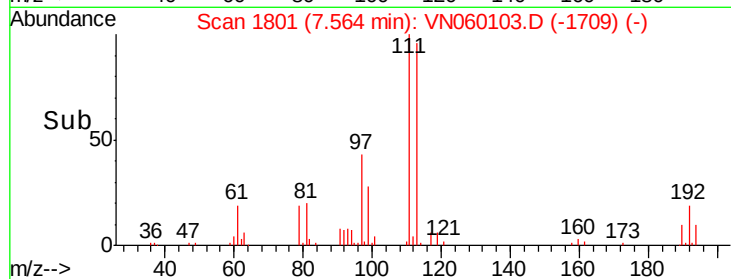
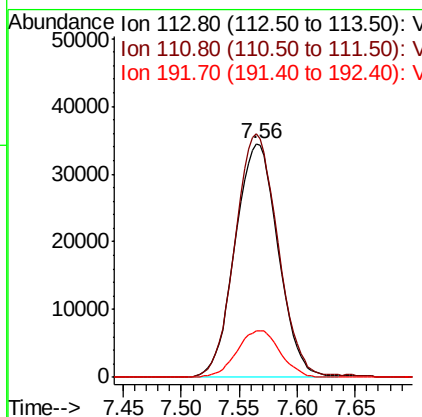
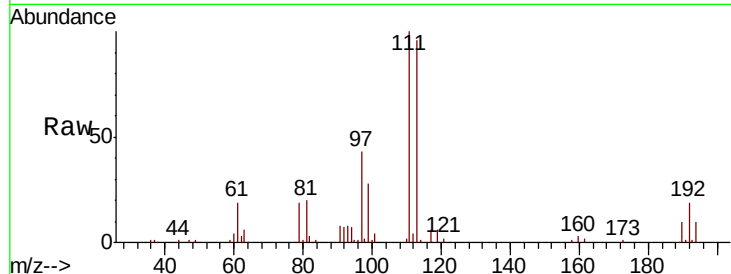
#35
 Dibromofluoromethane
 Concen: 48.696 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.2
192	20.0	16.2	24.2

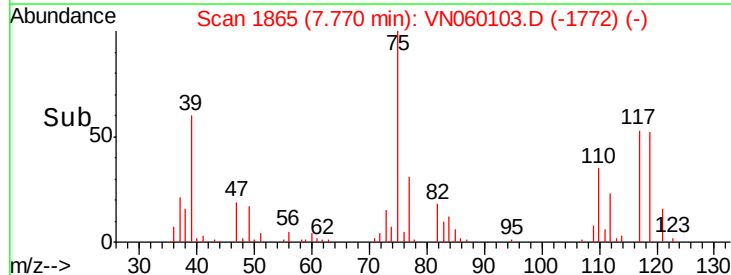
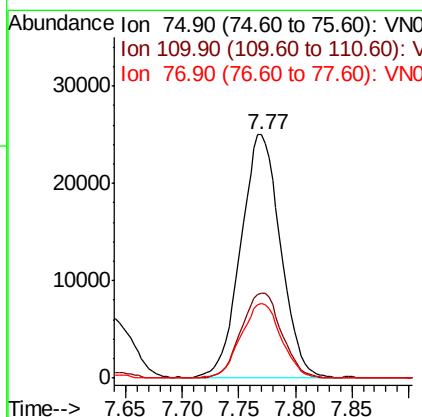
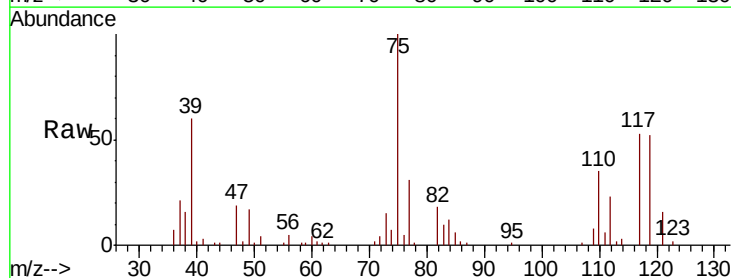
Manual Integrations
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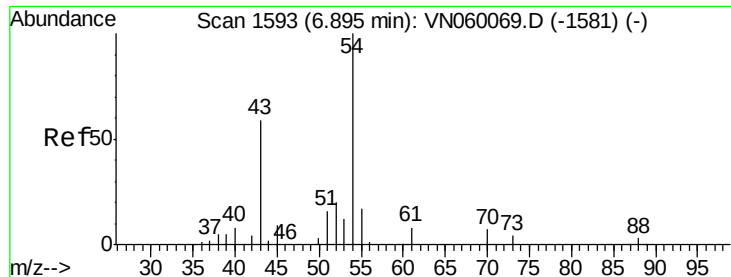
MMDadoda
 2/18/2020 9:30:25 AM



#36
 1,1-Dichloropropene
 Concen: 22.155 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.1	54.3
77	31.0	25.1	37.7





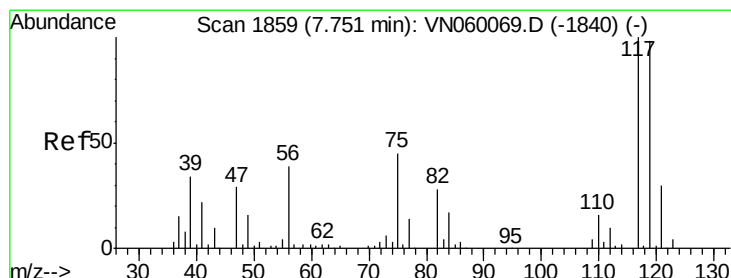
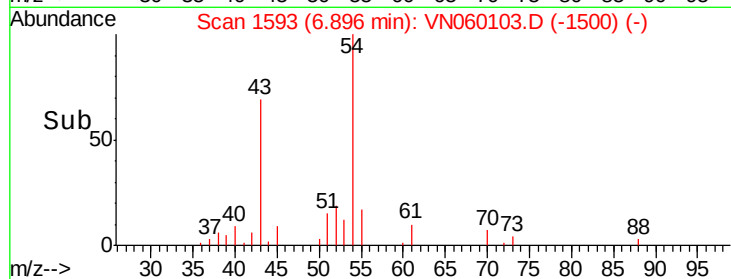
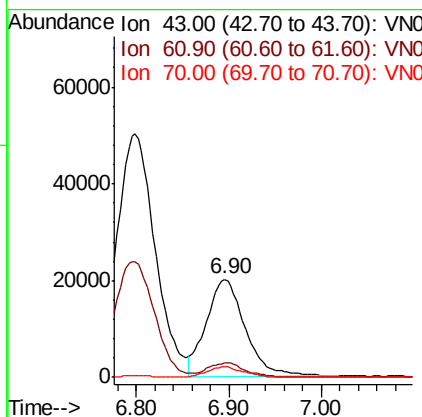
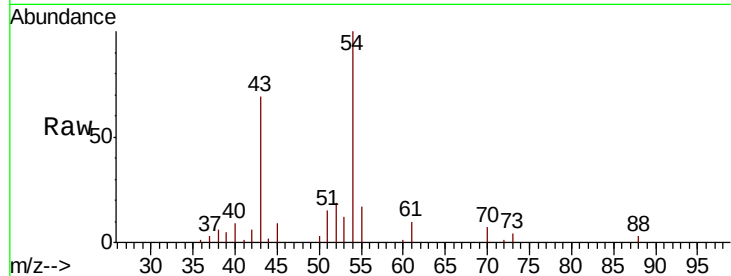
#37
Ethyl Acetate
Concen: 23.405 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.2
70	9.9	8.7	13.1

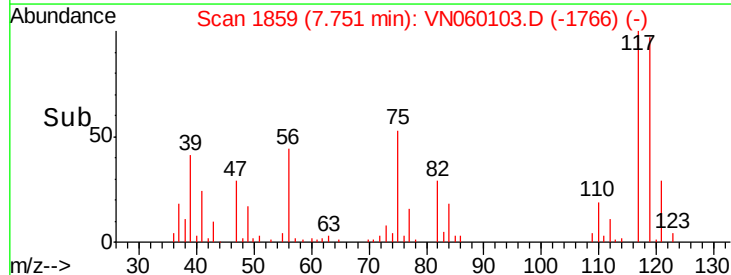
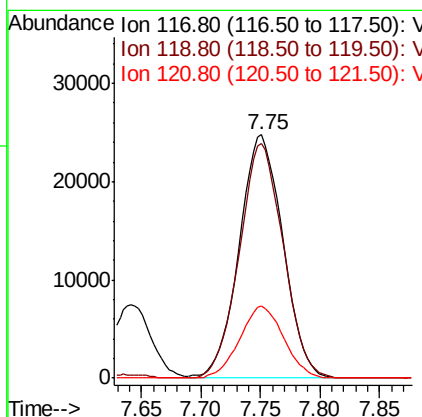
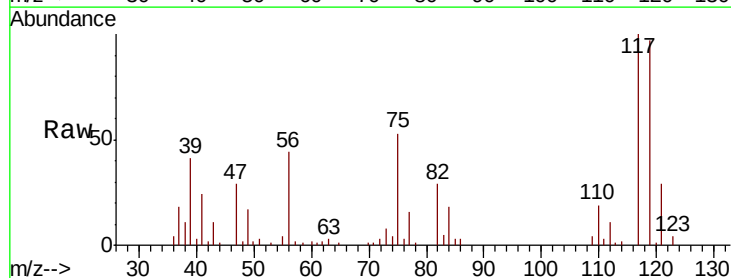
Manual Integrations
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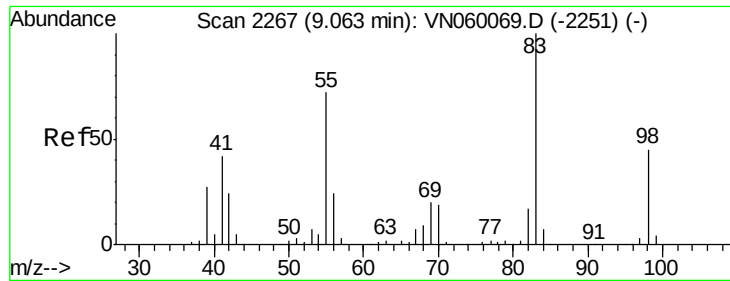
MMDadoda
2/18/2020 9:30:25 AM



#38
Carbon Tetrachloride
Concen: 20.999 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.2	117.4
121	29.4	24.2	36.2





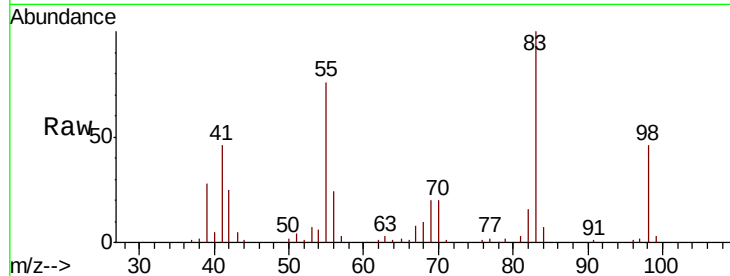
#39
Methylvlcyclohexane
Concen: 21.939 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

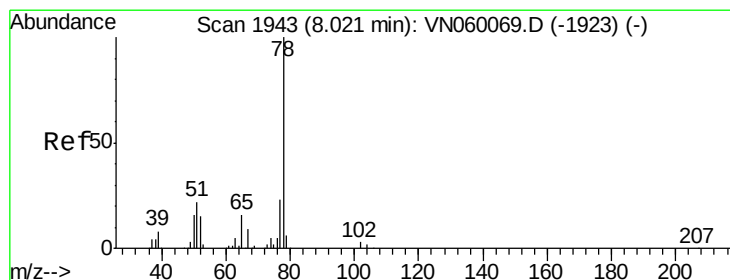
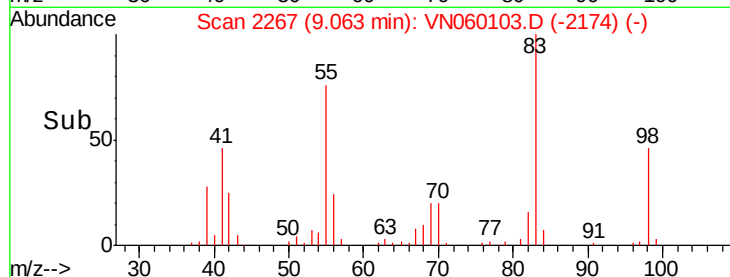
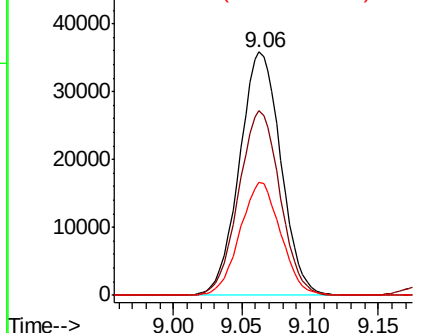
Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	57.8	86.8
98	46.4	36.4	54.6

Manual Integrations
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MMDadoda
2/18/2020 9:30:25 AM

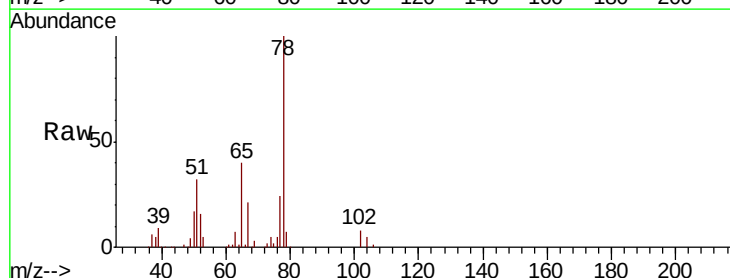


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

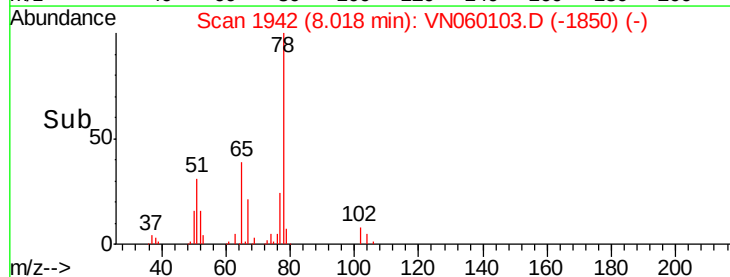
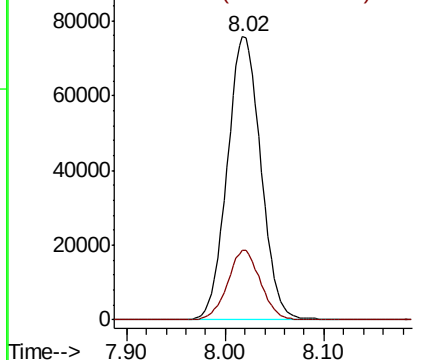


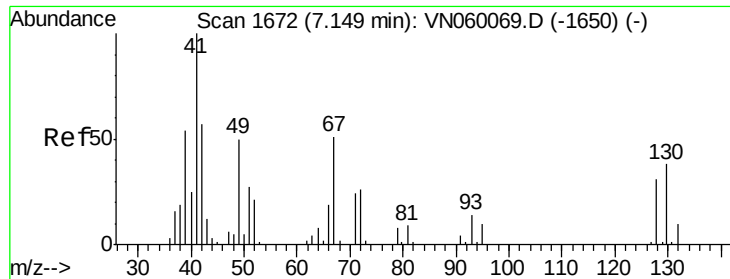
#40
Benzene
Concen: 21.914 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





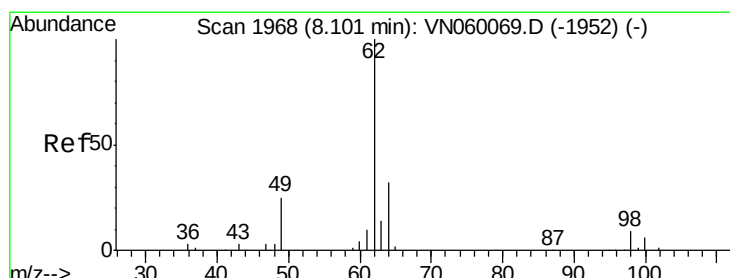
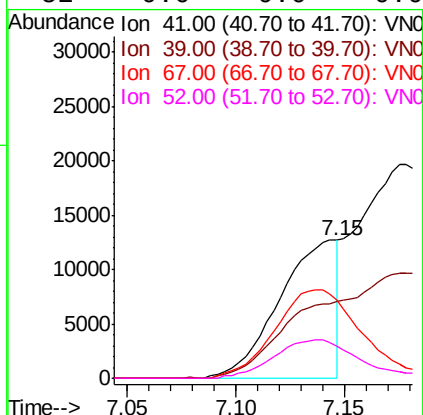
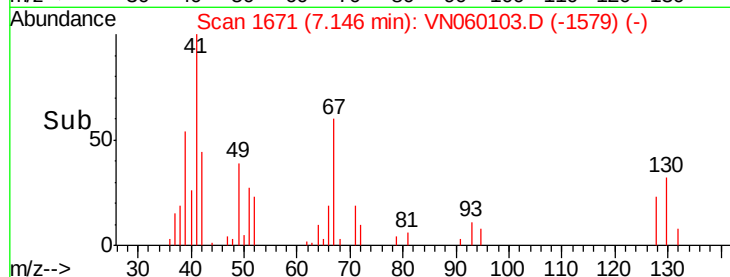
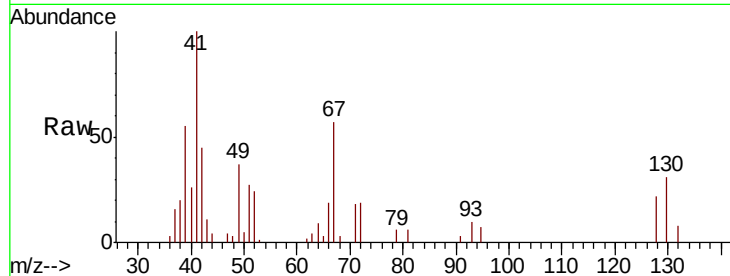
#41
Methacrylonitrile
Concen: 22.428 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	188.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

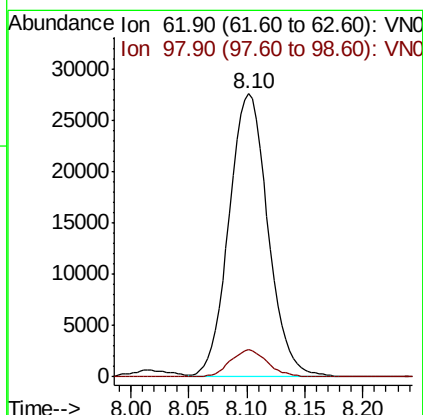
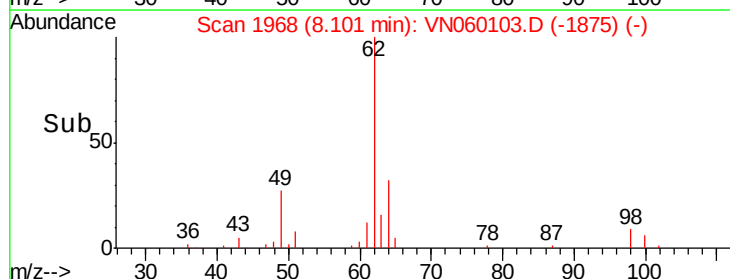
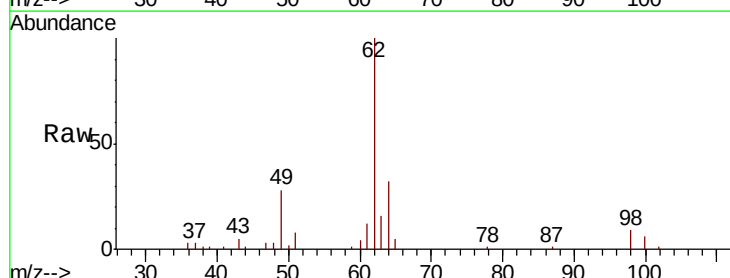
Manual Integrations
APPROVED

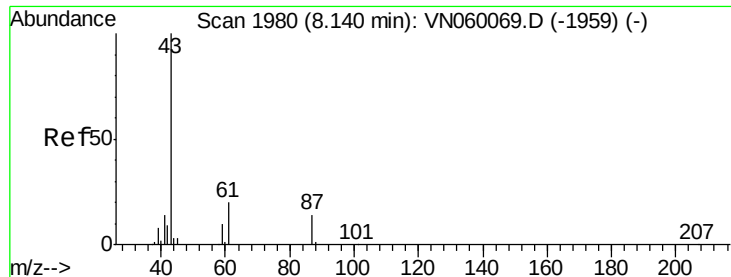
MMDadoda
2/18/2020 9:30:25 AM



#42
1,2-Dichloroethane
Concen: 22.464 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





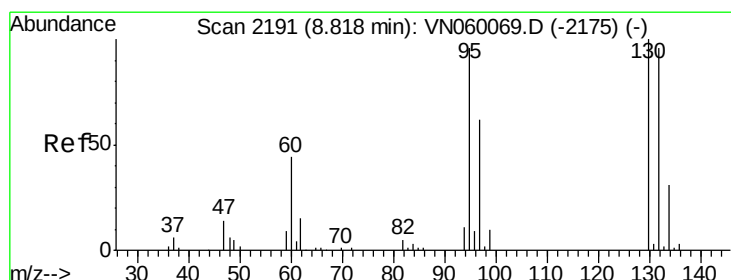
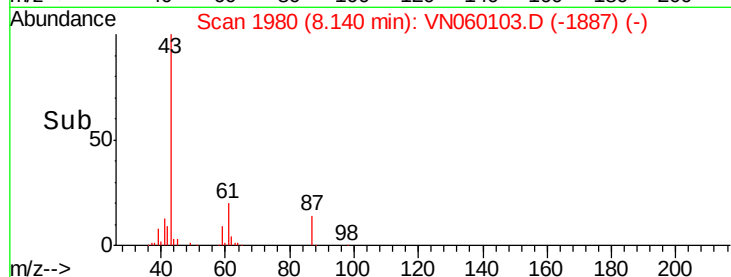
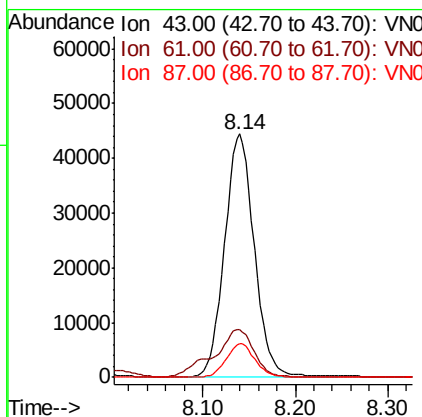
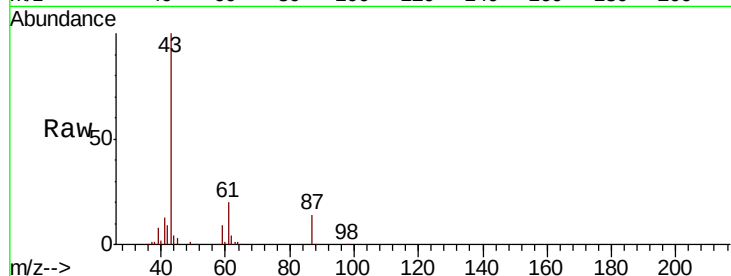
#43
Isopropyl Acetate
Concen: 23.209 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.8	32.6
87	13.4	11.4	17.2

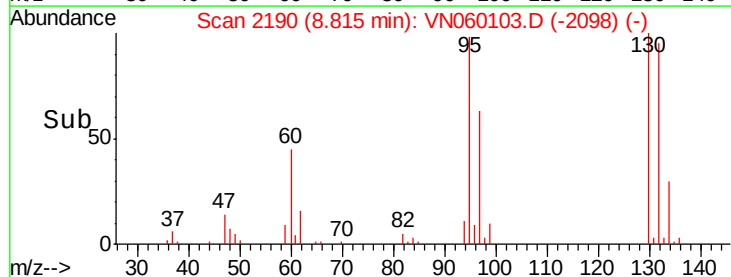
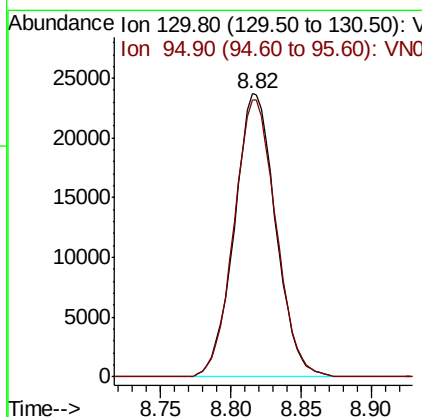
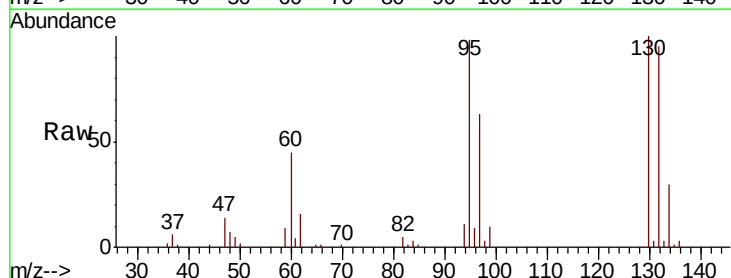
Manual Integrations
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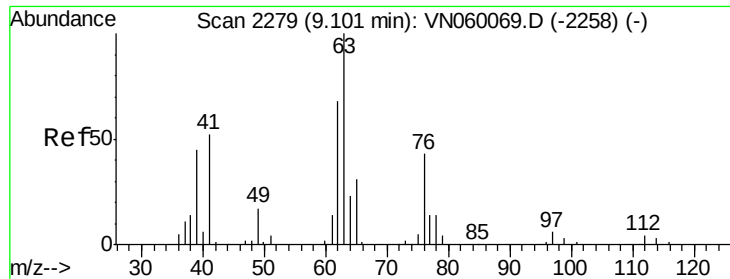
MMDadoda
2/18/2020 9:30:25 AM



#44
Trichloroethene
Concen: 21.379 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	192.4





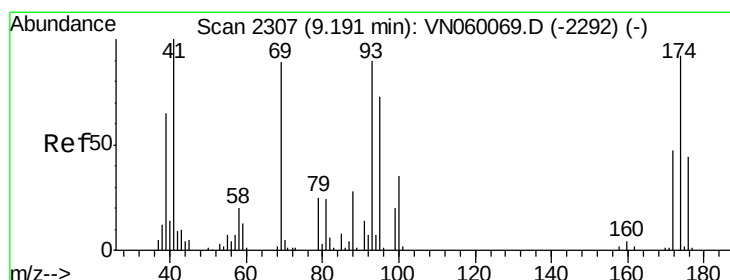
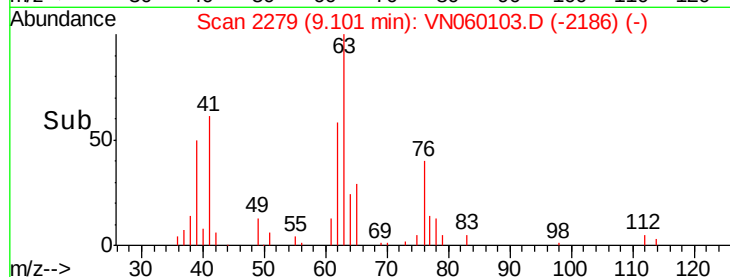
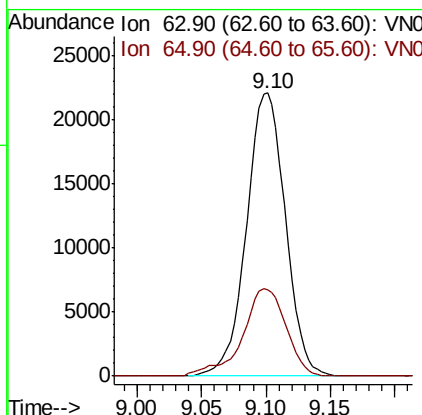
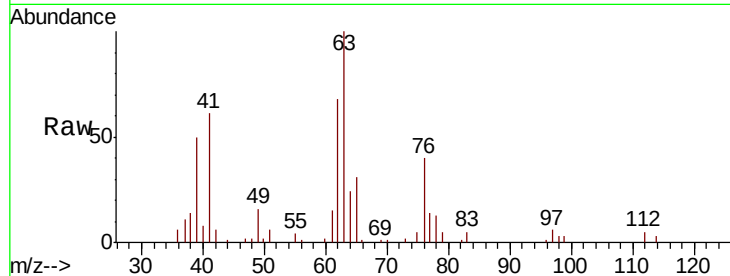
#45
 1,2-Dichloropropane
 Concen: 22.894 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Tot Ion: 63 Resp: 46487
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4

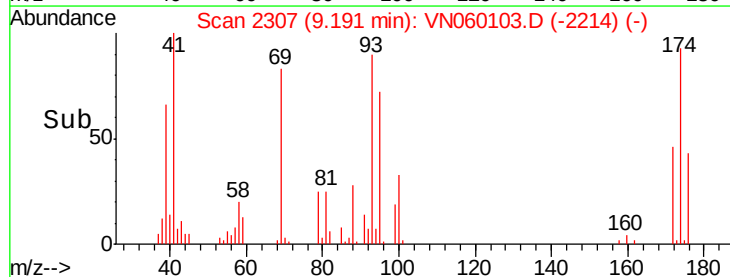
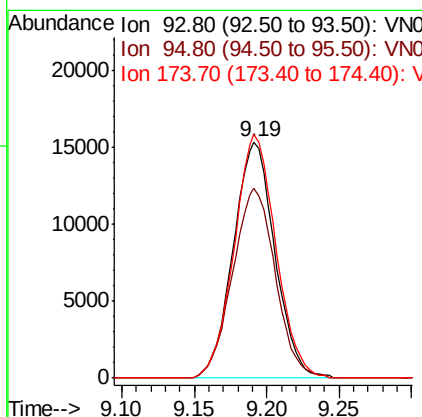
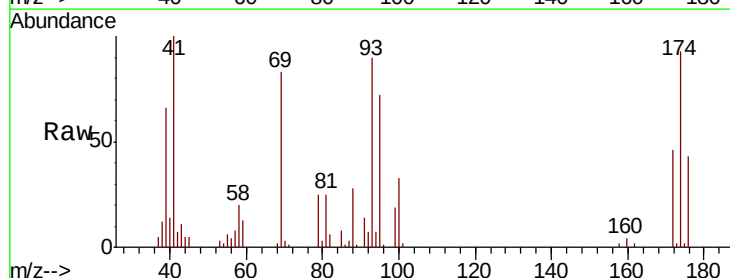
Manual Integrations
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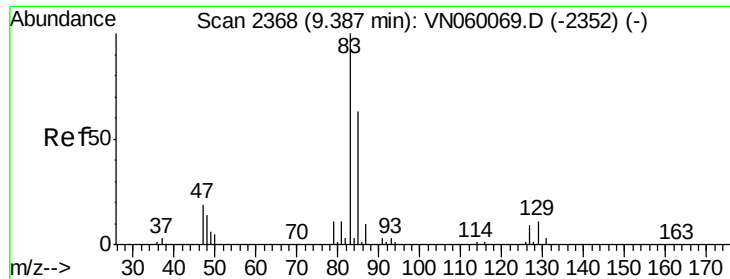
MMDadoda
 2/18/2020 9:30:25 AM



#46
 Dibromomethane
 Concen: 21.323 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion: 93 Resp: 30596
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.0 97.6
 174 103.3 82.3 123.5





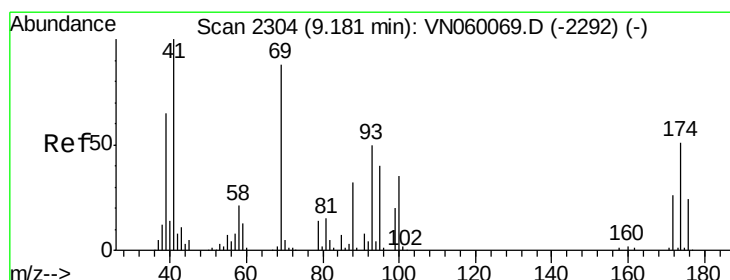
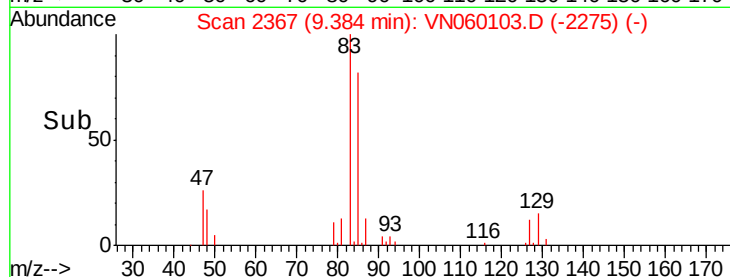
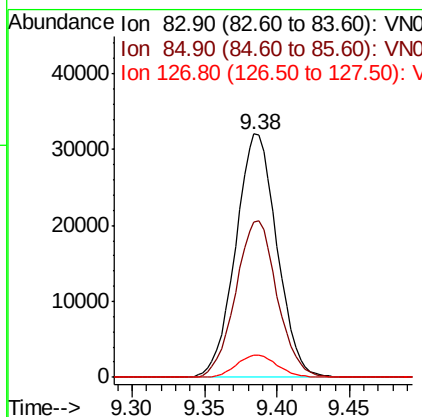
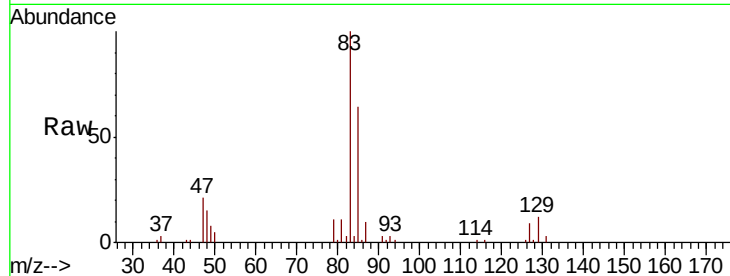
#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	83	Resp	63398
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	50.6	75.8
127	9.1	7.0	10.6

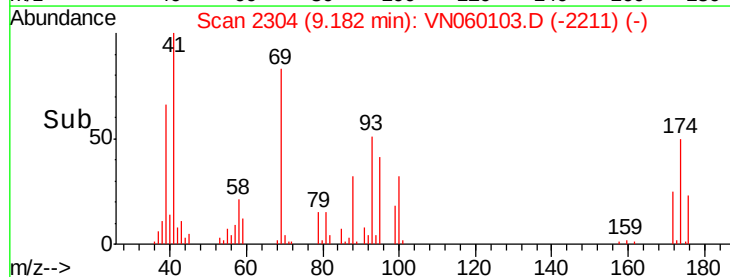
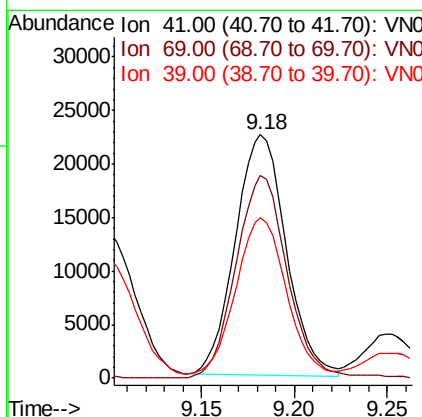
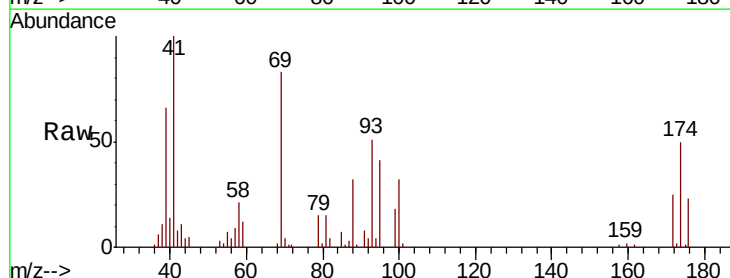
Manual Integrations
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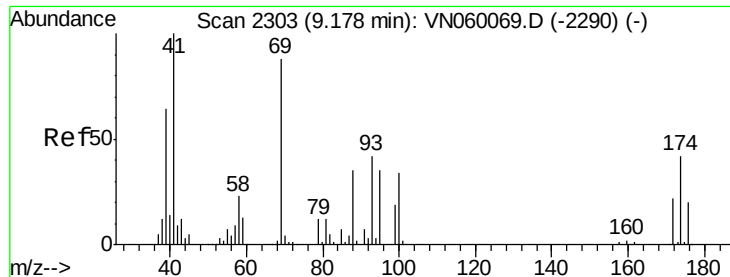
MMDadoda
2/18/2020 9:30:25 AM



#48
Methyl methacrylate
Concen: 22.473 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	41	Resp	43070
Ion Ratio	100	Lower	Upper
41	100		
69	85.0	72.0	108.0
39	64.0	54.1	81.1





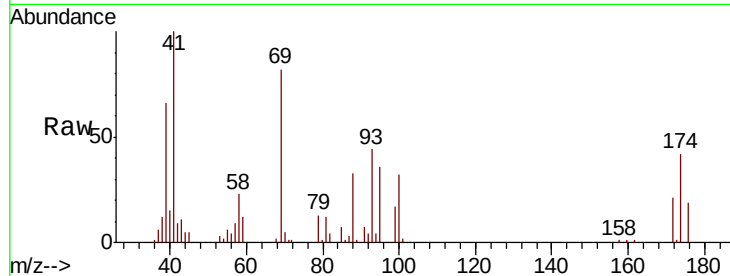
#49
1,4-Dioxane
Concen: 466.546 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.2	39.2
58	68.4	53.2	79.8

Manual Integrations
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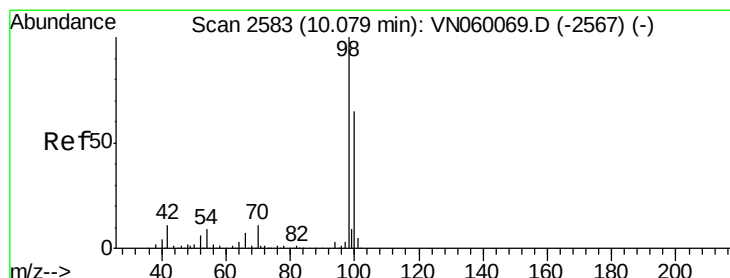
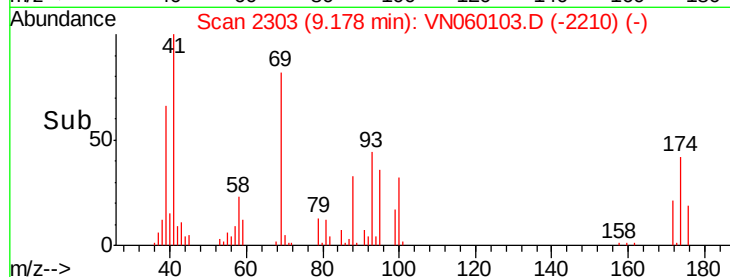
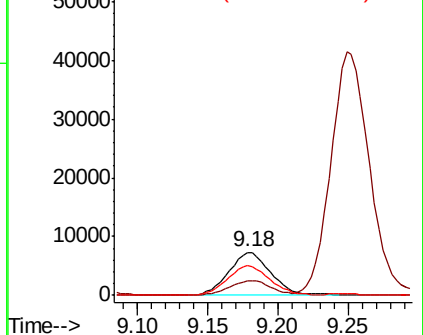


Abundance

Ion 88.00 (87.70 to 88.70): VN0

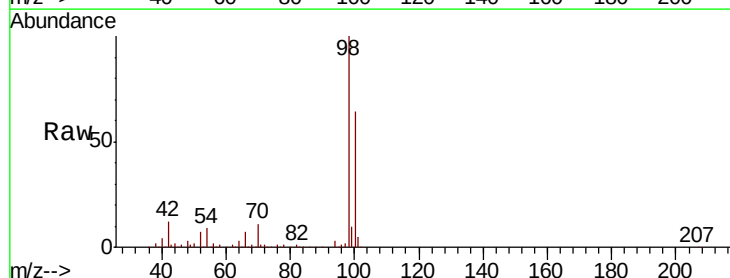
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.021 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

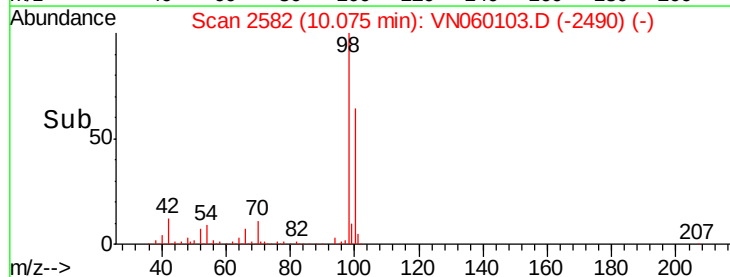
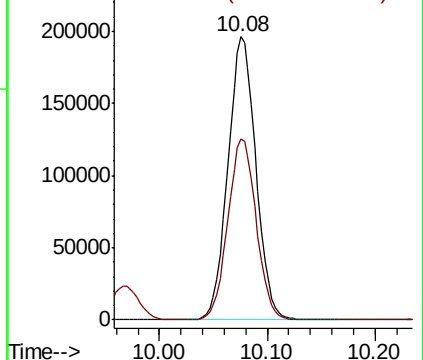
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5

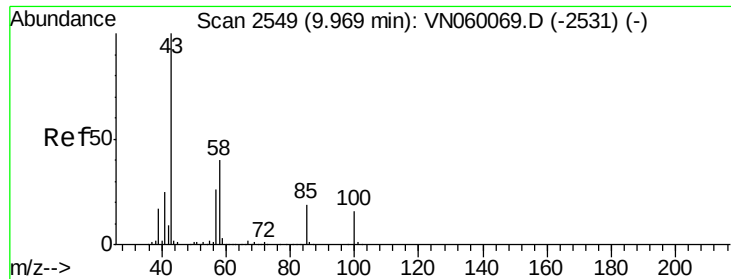


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 116.869 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0214MBS01

Tot Ion: 43 Resp: 288948

Ion Ratio Lower Upper

43 100

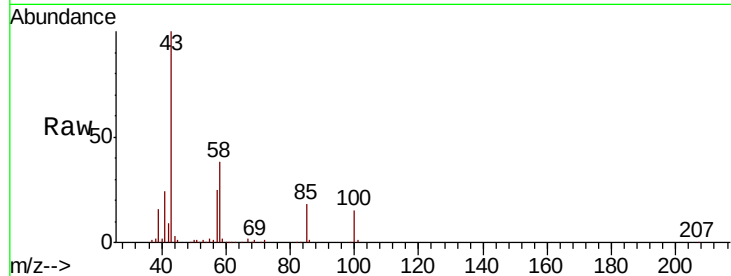
58 38.3 31.8 47.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

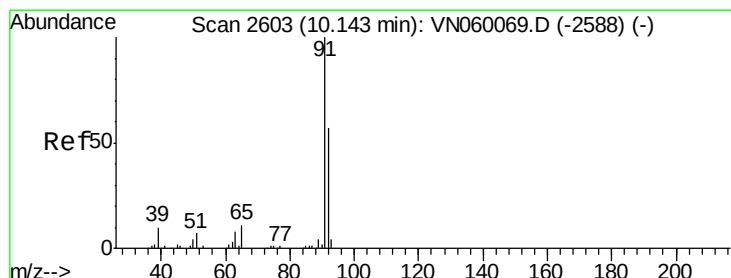
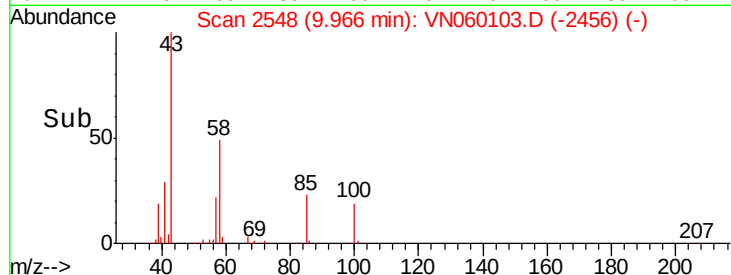
9.97

100000

50000

0

Time-->



#52

Toluene

Concen: 21.879 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060103.D

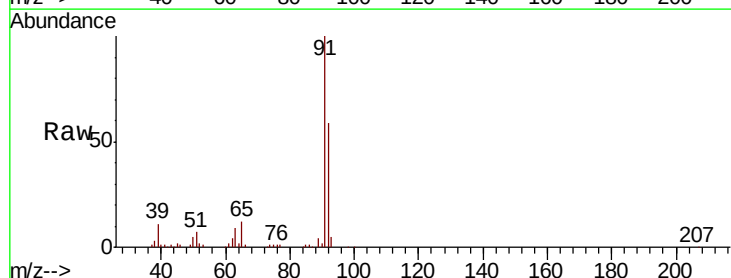
Acq: 14 Feb 2020 12:05

Tgt Ion: 92 Resp: 115073

Ion Ratio Lower Upper

92 100

91 172.6 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

120000

10.14

100000

80000

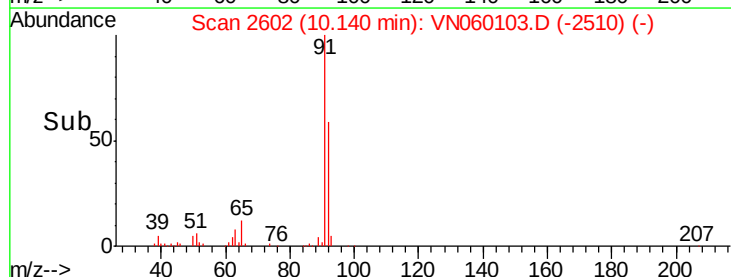
60000

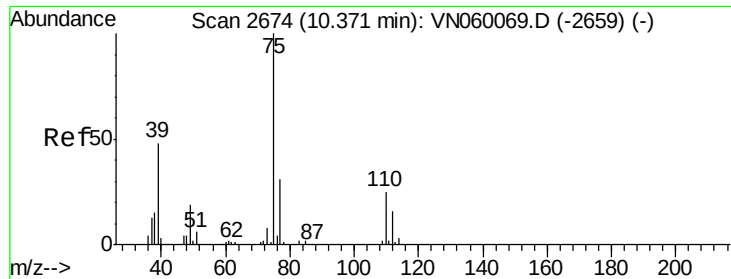
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.206 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0214MBS01

Tot Ion: 75 Resp: 73123

Ion Ratio Lower Upper

75 100

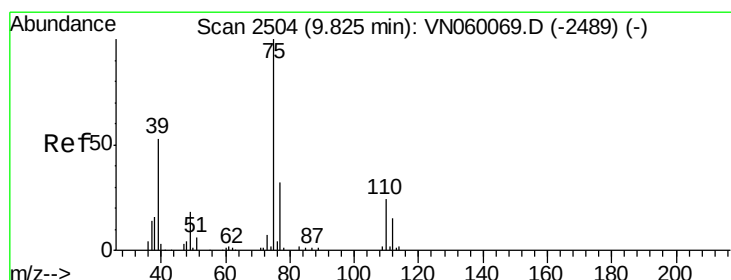
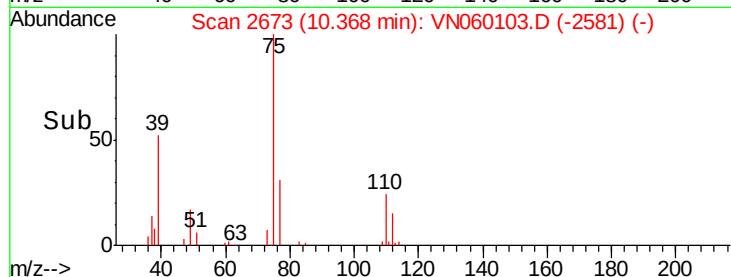
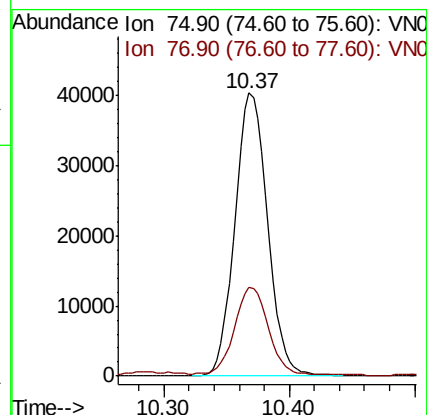
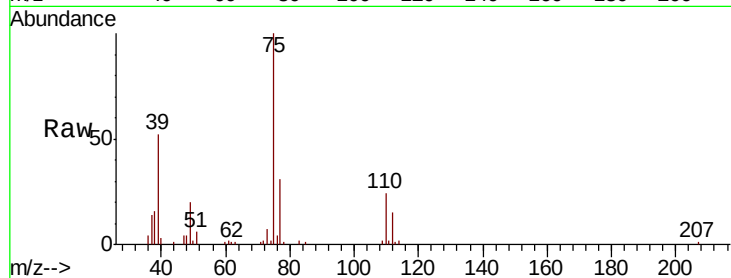
77 30.6 25.4 38.0

Manual Integrations

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MMDadoda

2/18/2020 9:30:25 AM



#54

cis-1,3-Dichloropropene

Concen: 22.029 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

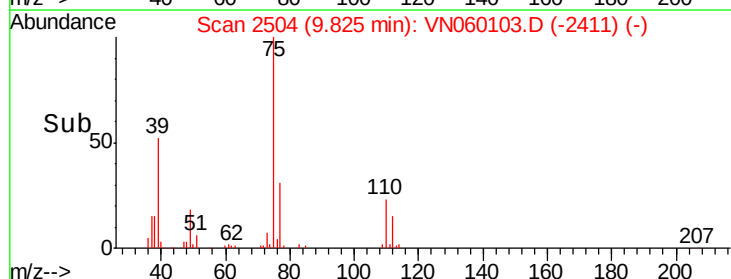
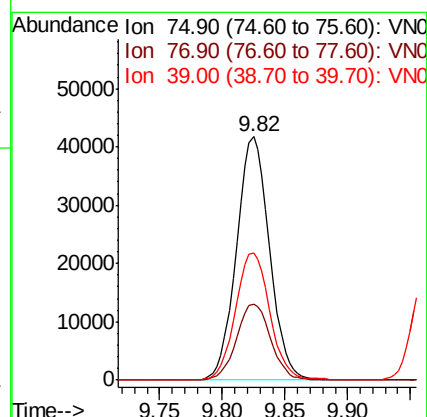
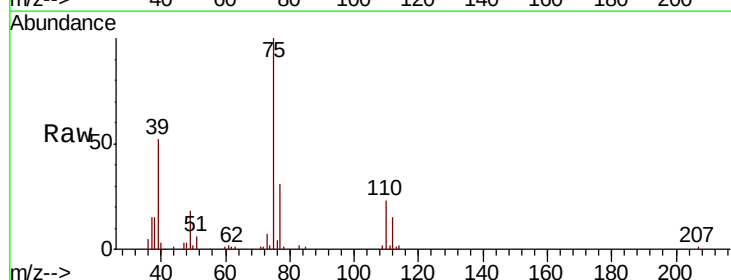
Tgt Ion: 75 Resp: 76384

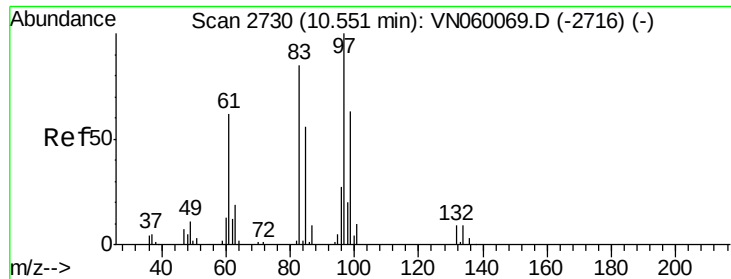
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 52.4 42.2 63.4





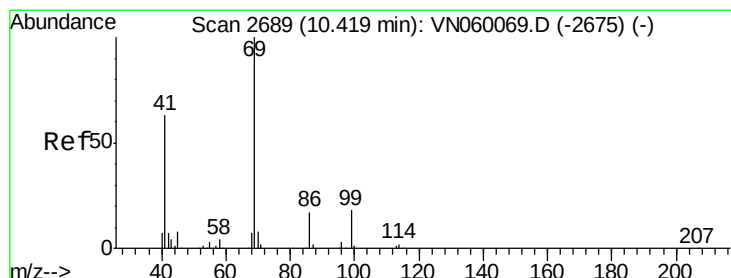
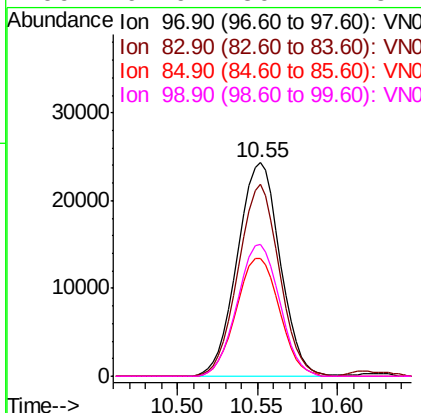
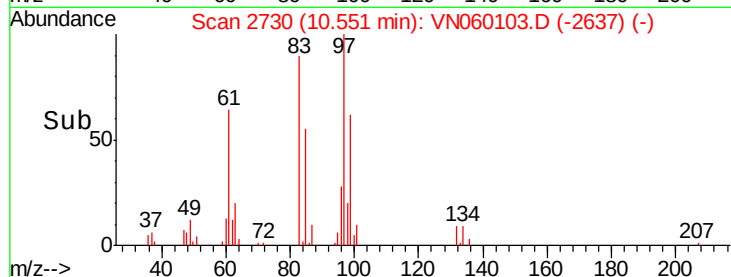
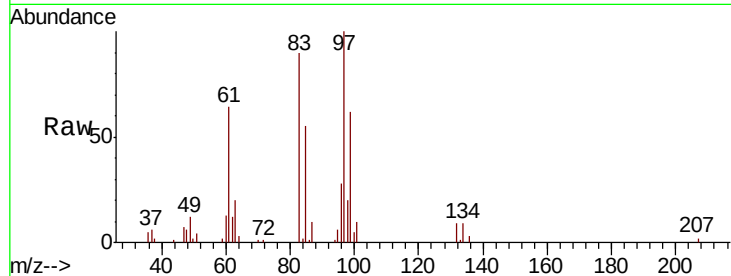
#55
 1,1,2-Trichloroethane
 Concen: 21.654 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Tot Ion:	97	Resp:	44431
Ion	Ratio	Lower	Upper
97	100		
83	89.9	67.9	101.9
85	55.1	44.6	67.0
99	61.9	50.1	75.1

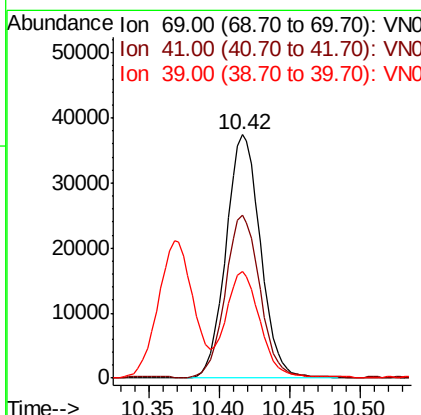
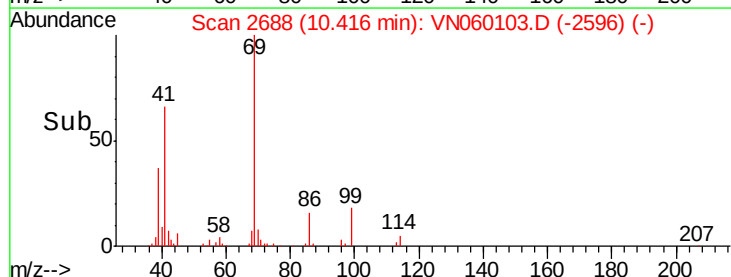
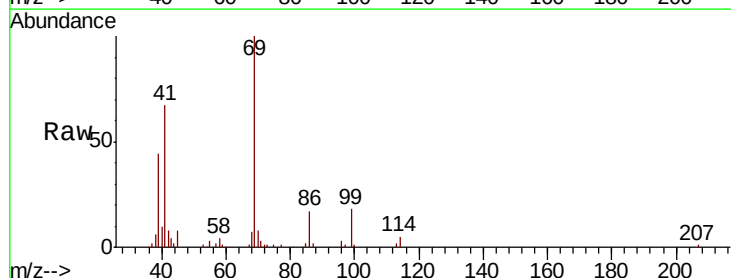
Manual Integrations
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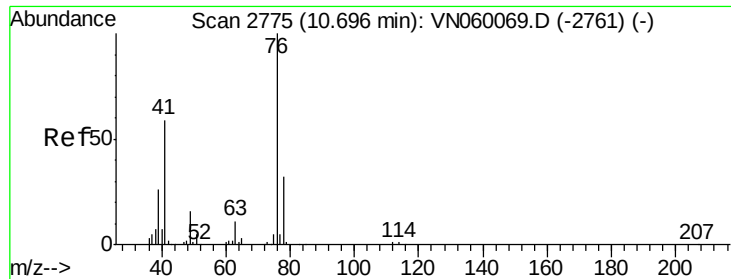
MMDadoda
 2/18/2020 9:30:25 AM



#56
 Ethyl methacrylate
 Concen: 22.006 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion:	69	Resp:	63873
Ion	Ratio	Lower	Upper
69	100		
41	68.3	51.1	76.7
39	42.9	33.8	50.8





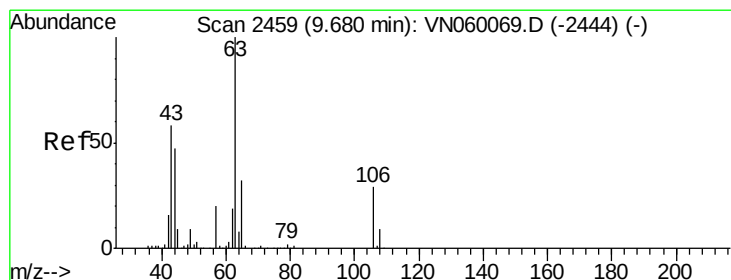
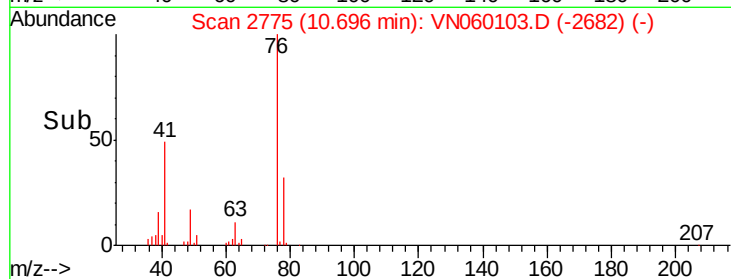
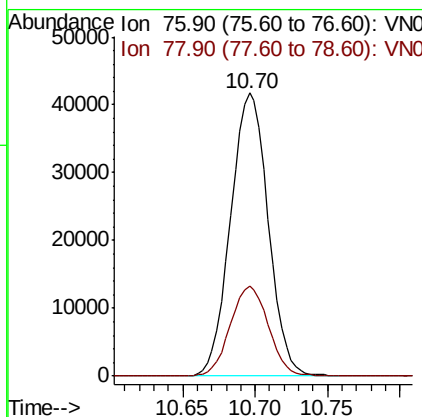
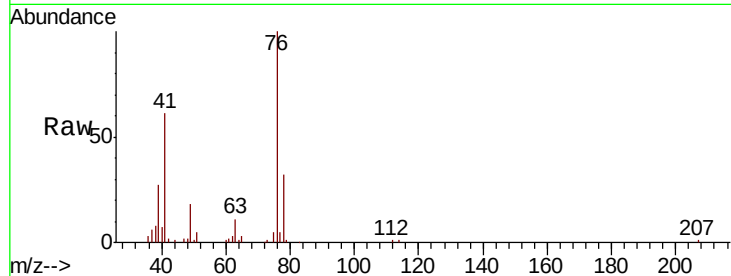
#57
 1,3-Dichloropropane
 Concen: 22.208 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.7	38.5

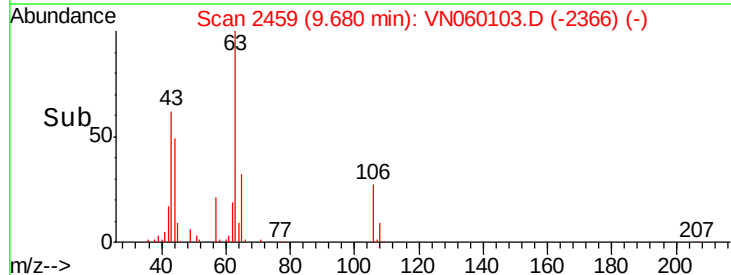
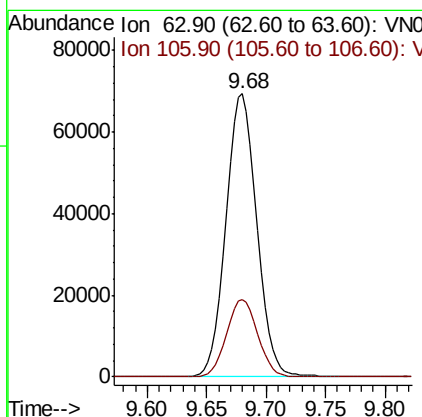
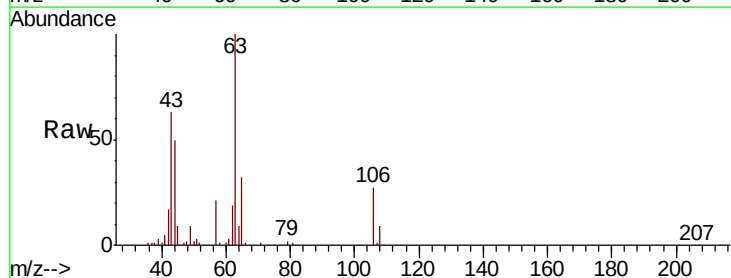
Manual Integrations
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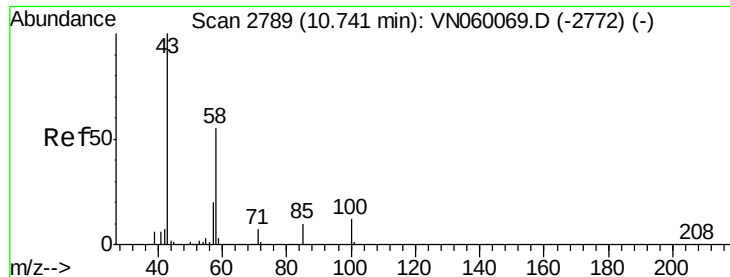
MMDadoda
 2/18/2020 9:30:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.071 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.9	34.3





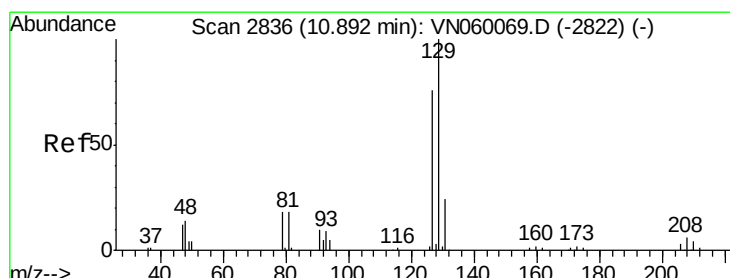
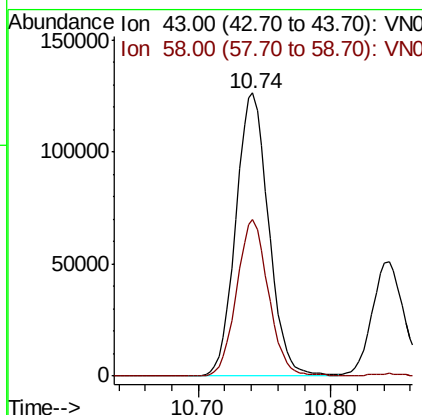
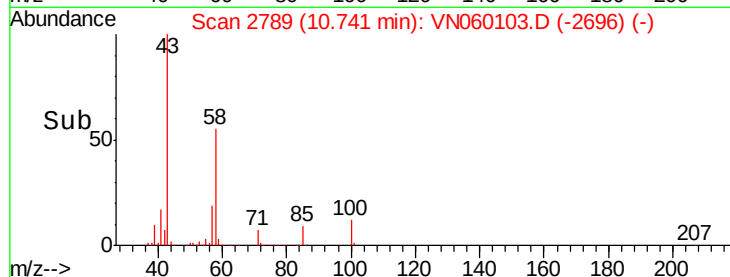
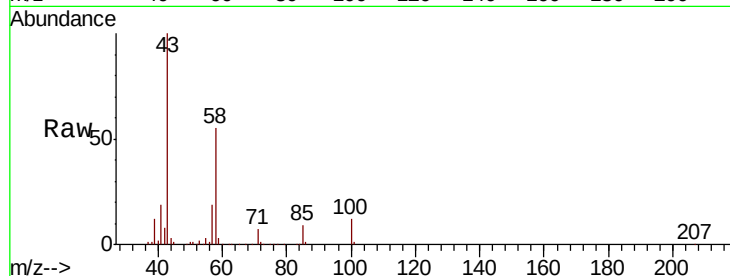
#59
2-Hexanone
Concen: 114.123 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion: 43 Resp: 217962
Ion Ratio Lower Upper
43 100
58 53.7 27.5 82.4

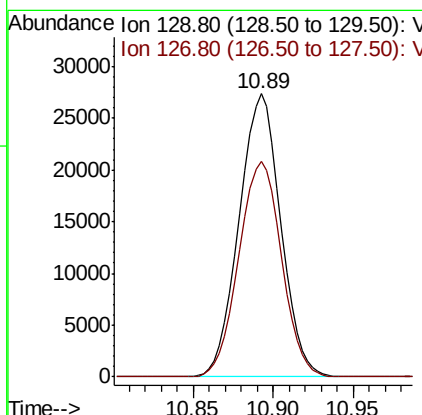
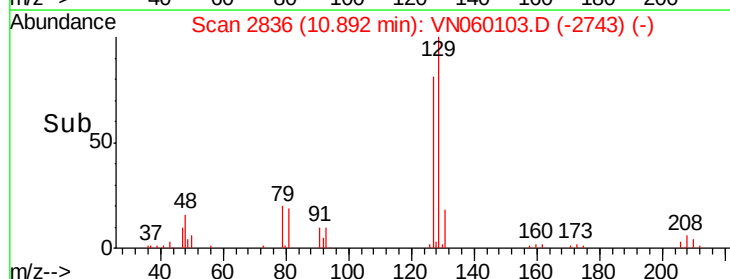
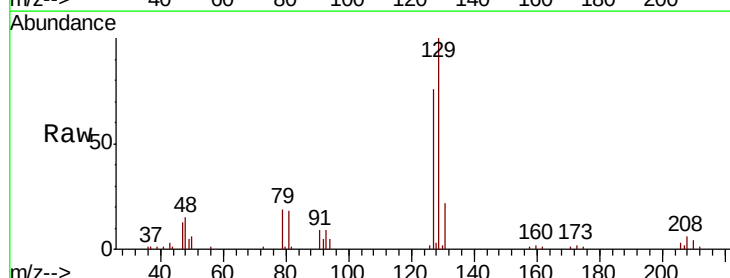
Manual Integrations
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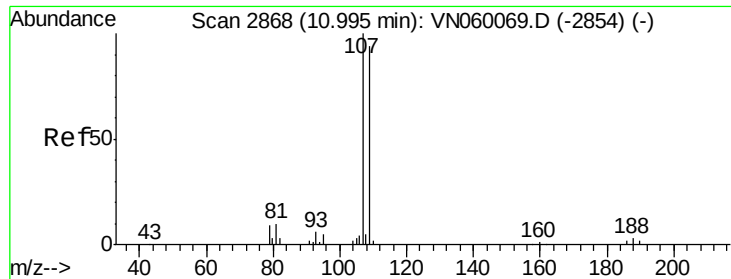
MMDadoda
2/18/2020 9:30:25 AM



#60
Dibromochloromethane
Concen: 20.650 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 129 Resp: 48621
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 21.151 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0214MBS01

Tot Ion:107 Resp: 45493

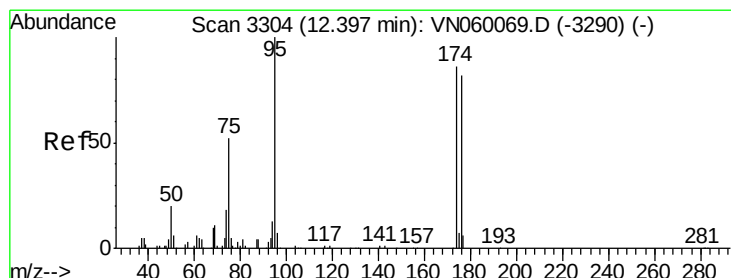
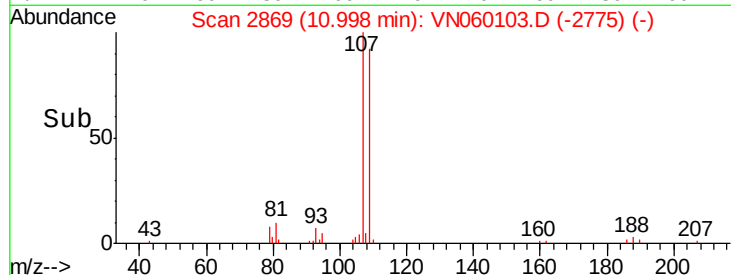
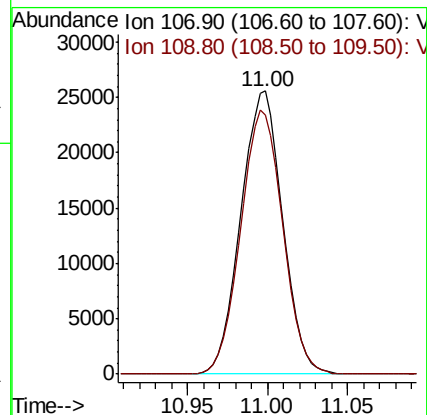
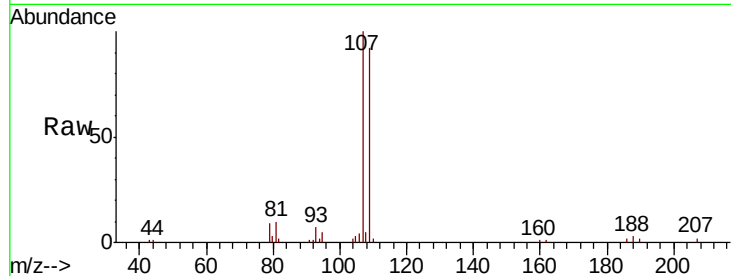
Ion Ratio Lower Upper

107 100

109 94.1 75.4 113.0

Manual Integrations
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MMDadoda
2/18/2020 9:30:25 AM



#62

4-Bromofluorobenzene

Concen: 47.922 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

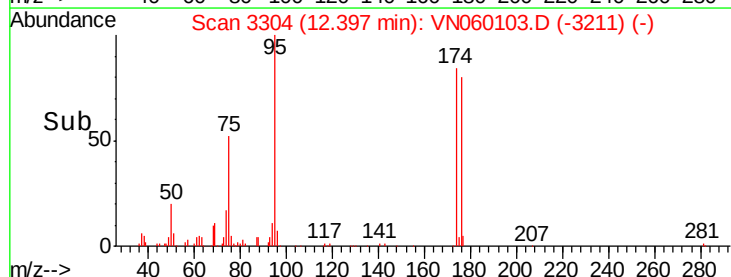
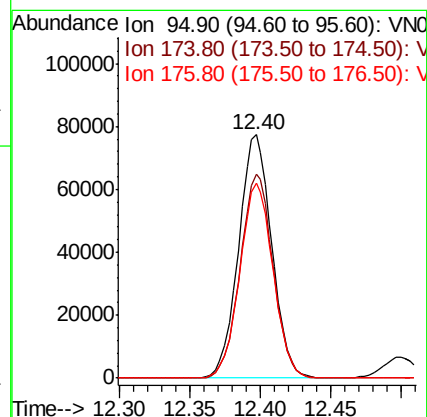
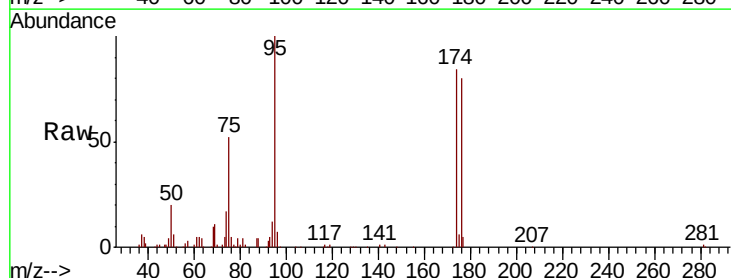
Tgt Ion: 95 Resp: 127240

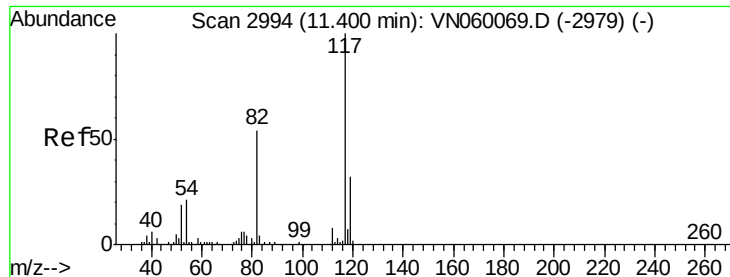
Ion Ratio Lower Upper

95 100

174 83.4 0.0 169.8

176 80.5 0.0 164.8





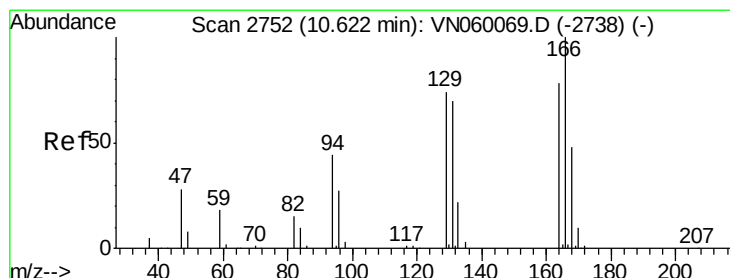
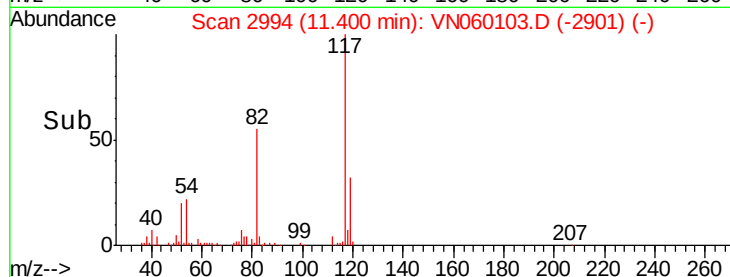
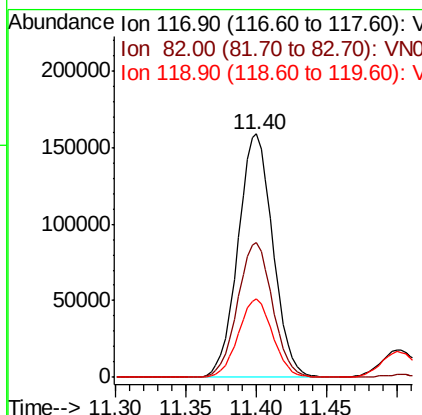
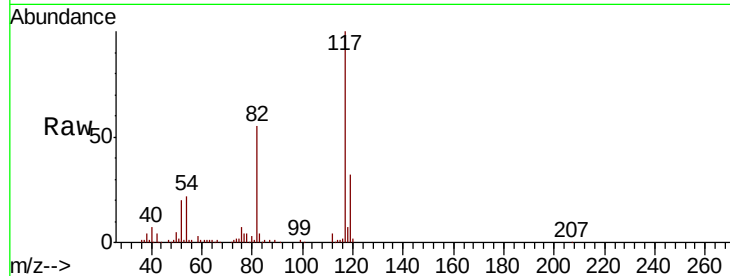
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.4	65.0
119	32.1	25.8	38.6

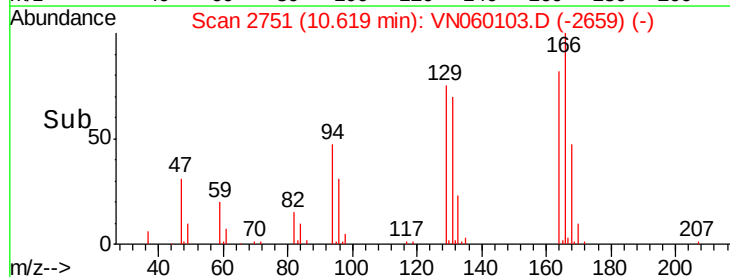
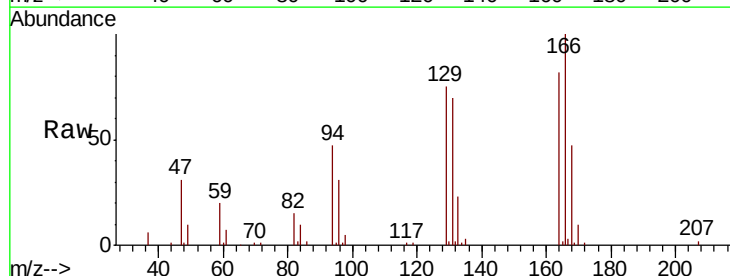
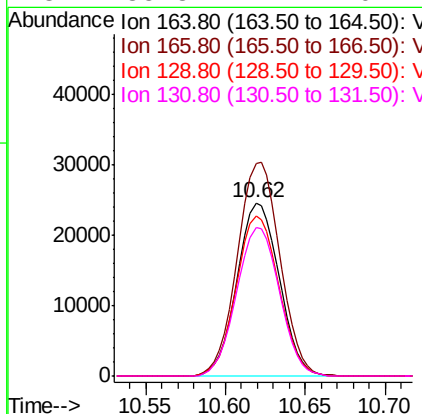
Manual Integrations
APPROVED

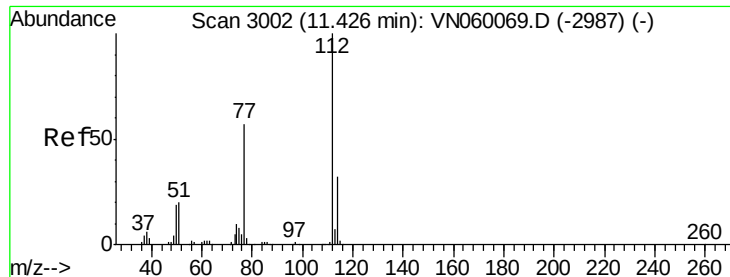
MMDadoda
2/18/2020 9:30:25 AM



#64
Tetrachloroethene
Concen: 21.153 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.9	152.9
129	92.1	75.4	113.0
131	85.8	71.4	107.2





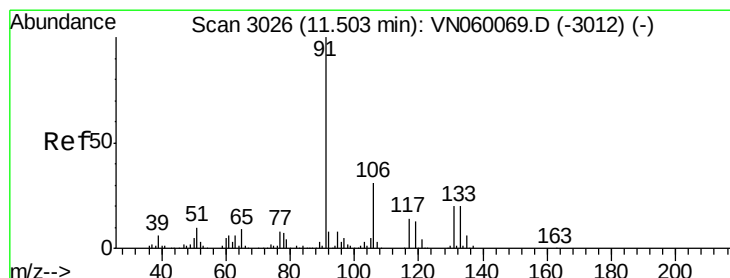
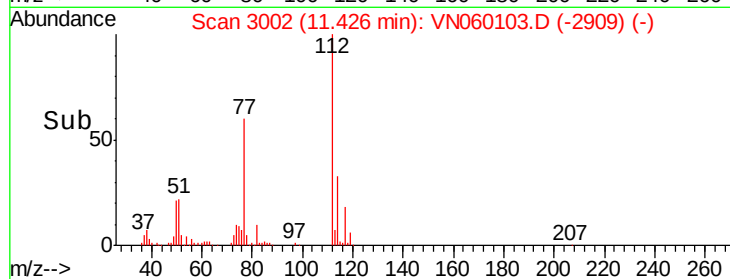
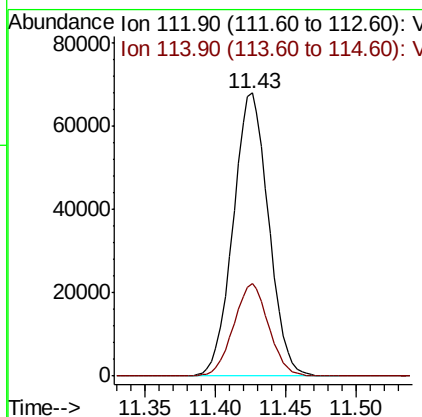
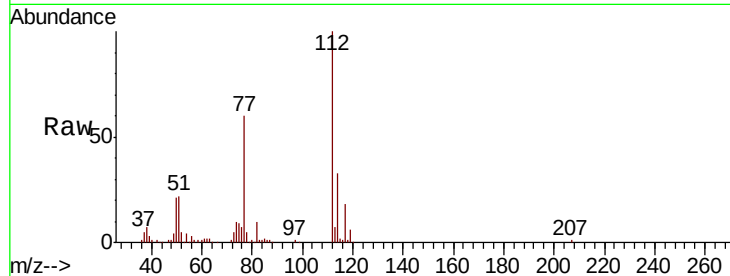
#65
Chlorobenzene
Concen: 21.292 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.0

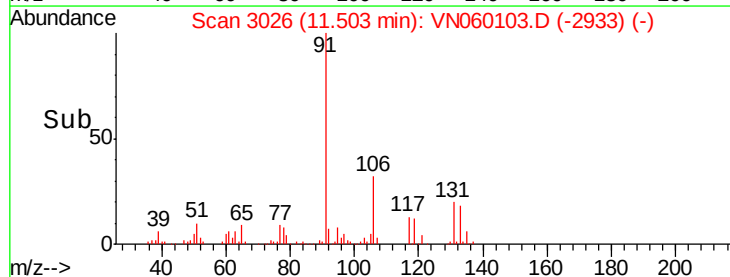
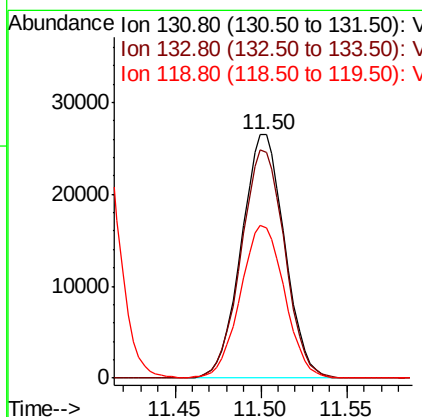
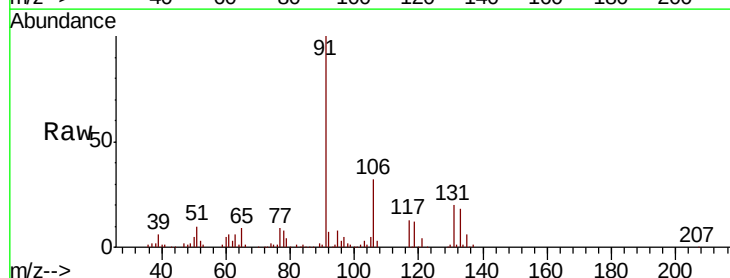
Manual Integrations
APPROVED

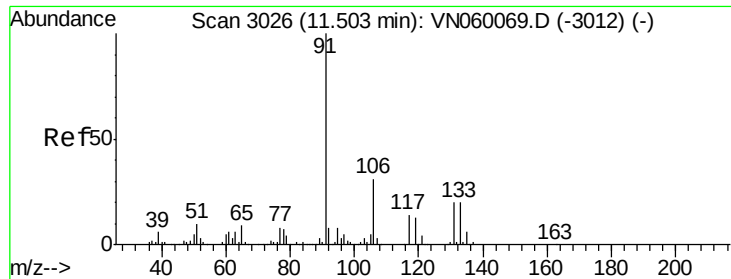
MMDadoda
2/18/2020 9:30:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.776 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.7
119	63.9	32.6	97.7





#67

Ethyl Benzene

Concen: 21.915 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0214MBS01

Tot Ion: 91 Resp: 221639

Ion Ratio Lower Upper

91 100

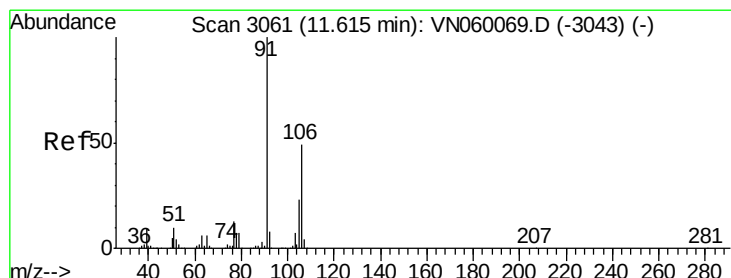
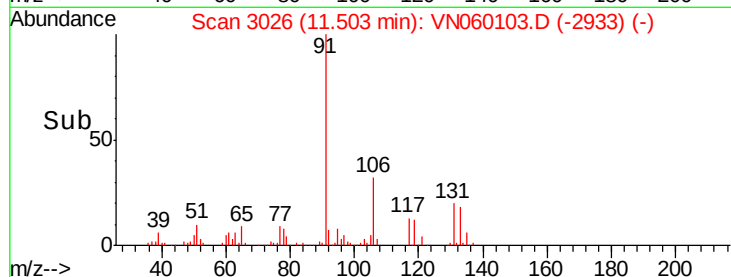
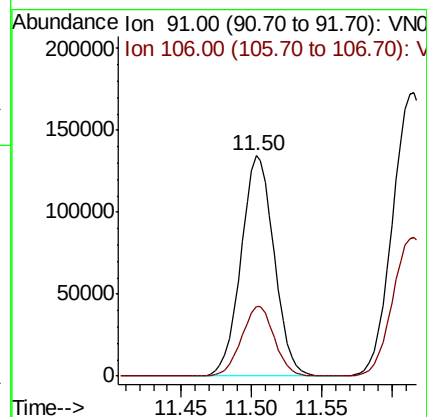
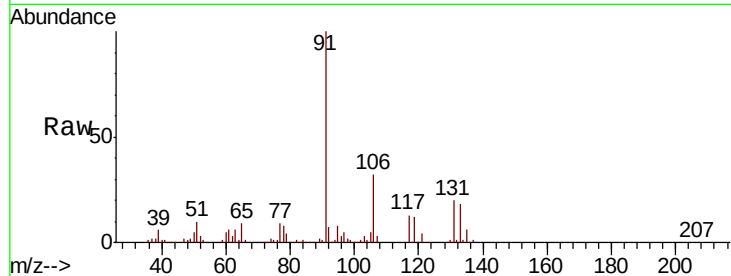
106 31.5 25.1 37.7

Manual Integrations

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MMDadoda

2/18/2020 9:30:25 AM



#68

m/p-Xylenes

Concen: 43.501 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060103.D

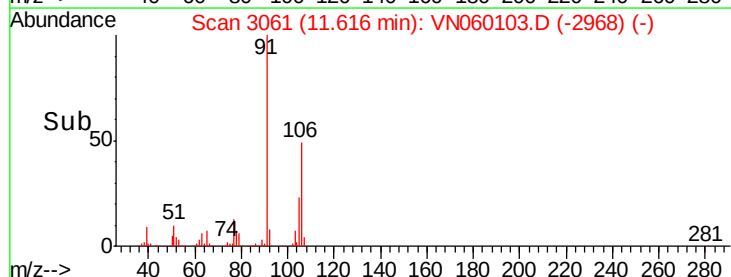
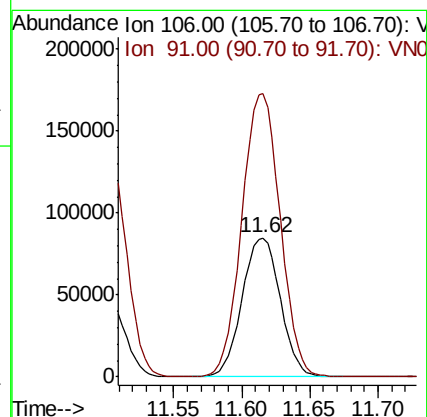
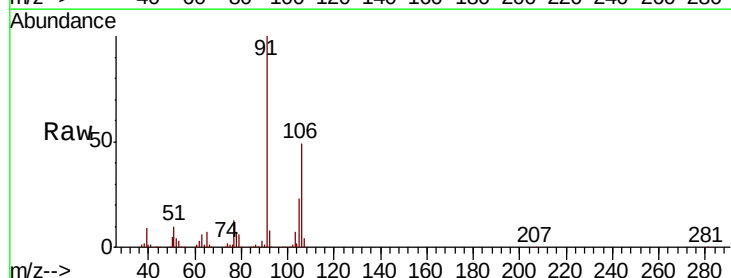
Acq: 14 Feb 2020 12:05

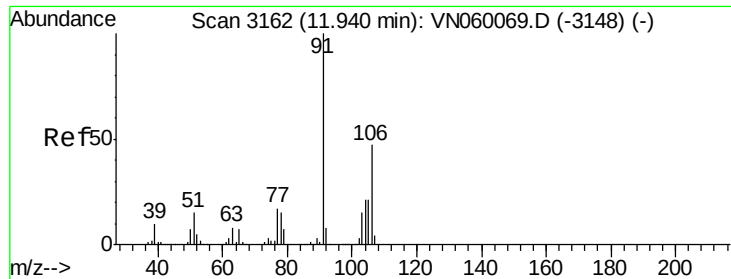
Tgt Ion: 106 Resp: 165122

Ion Ratio Lower Upper

106 100

91 204.4 162.7 244.1





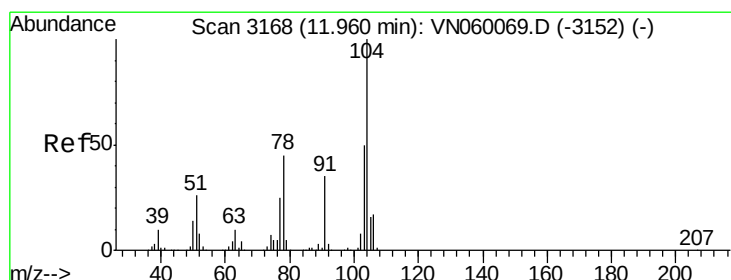
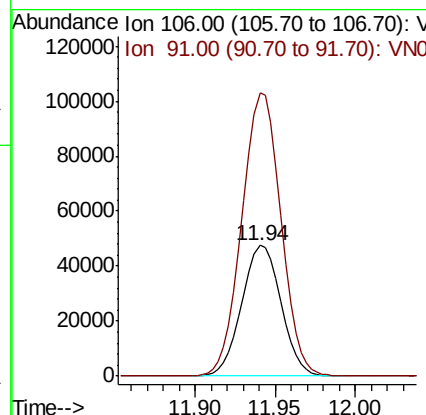
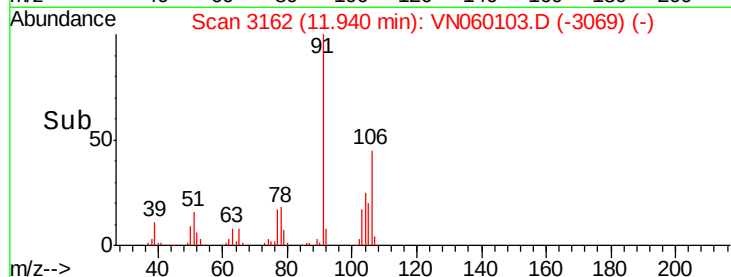
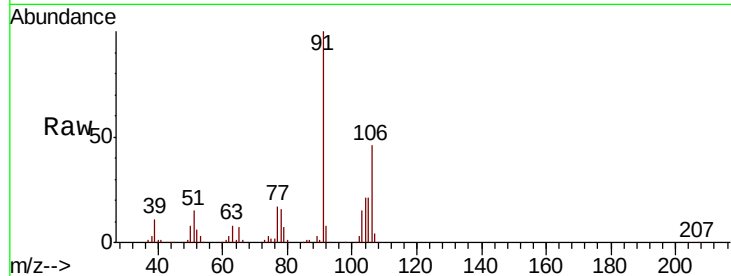
#69
o-Xylene
Concen: 21.741 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.4	107.2	321.6

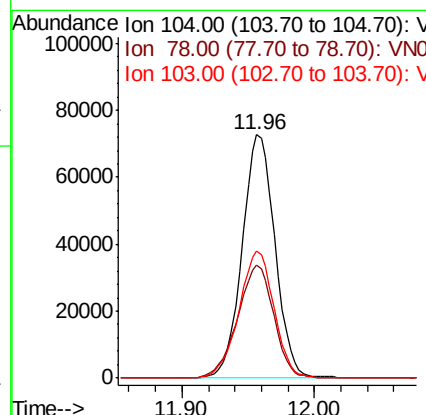
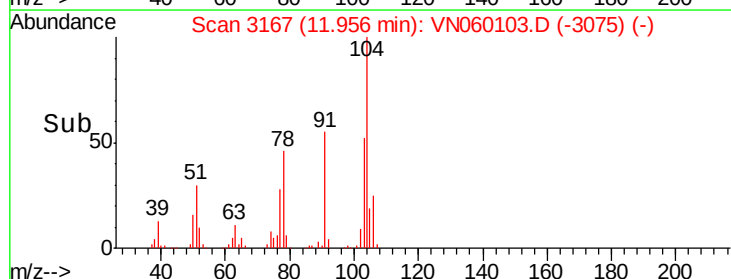
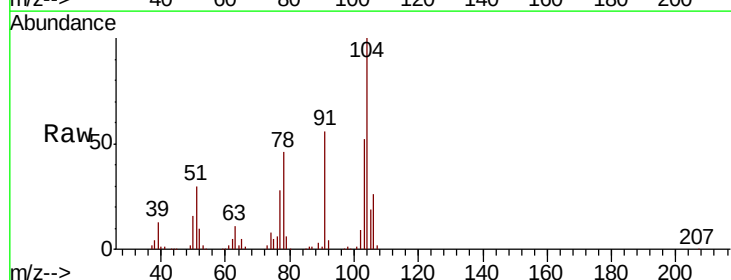
Manual Integrations
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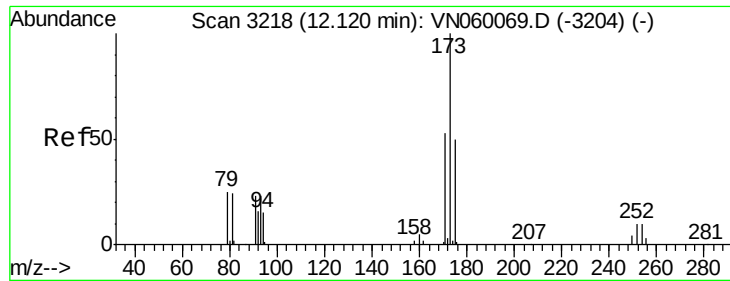
MMDadoda
2/18/2020 9:30:25 AM



#70
Styrene
Concen: 21.242 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.2	60.2
103	55.8	44.3	66.5





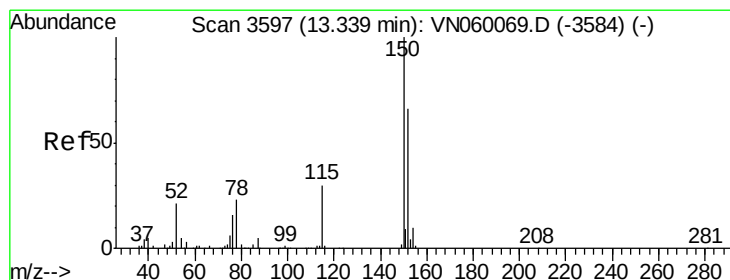
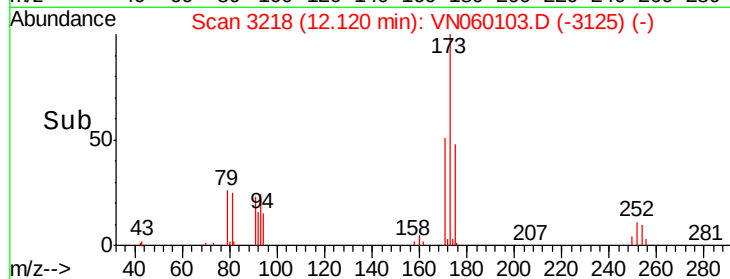
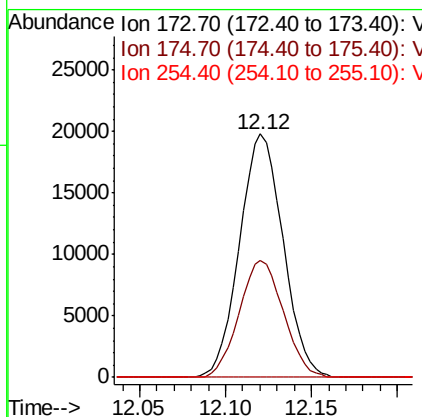
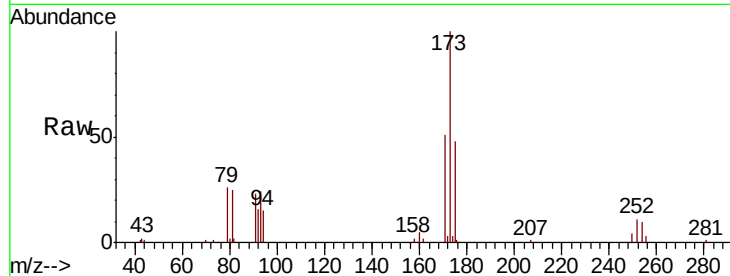
#71
Bromoform
Concen: 20.408 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.0	0.0	0.0

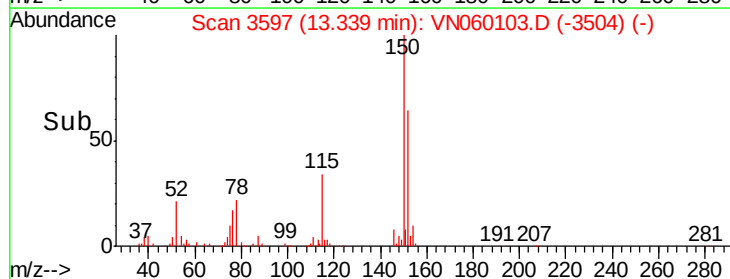
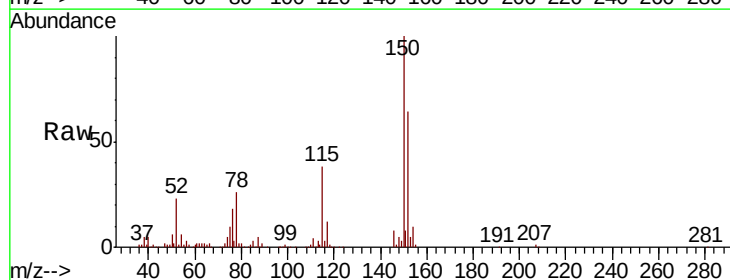
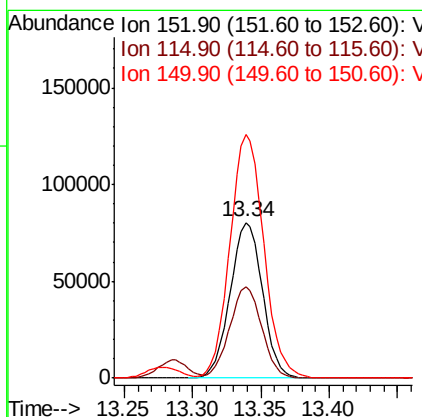
Manual Integrations
APPROVED

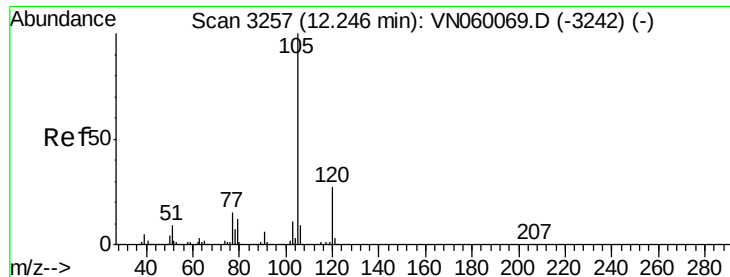
MMDadoda
2/18/2020 9:30:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.9	86.8
150	164.4	0.0	342.4





#73

Isopropylbenzene

Concen: 21.747 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0214MBS01

Tot Ion: 105 Resp: 214599

Ion Ratio Lower Upper

105 100

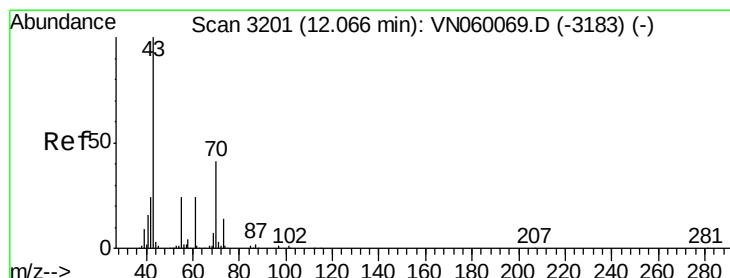
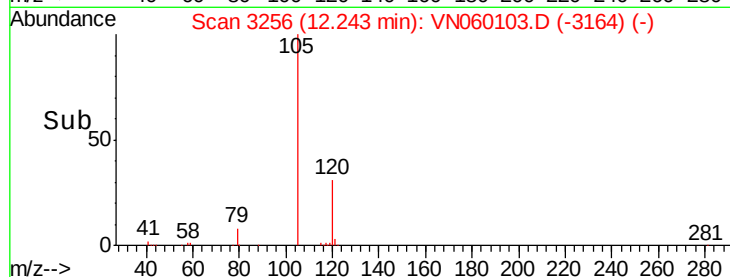
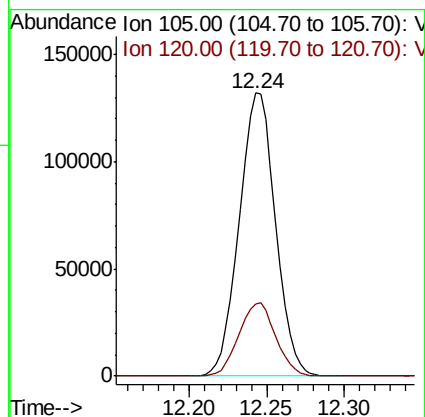
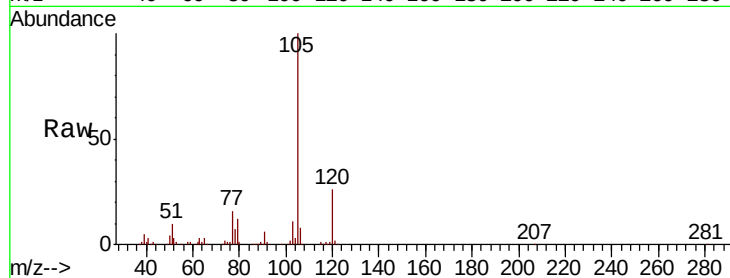
120 26.2 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 23.959 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Tgt Ion: 43 Resp: 85251

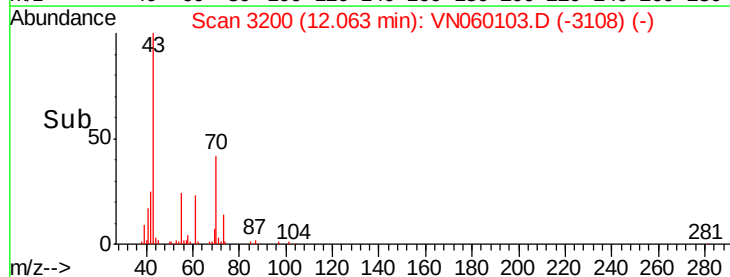
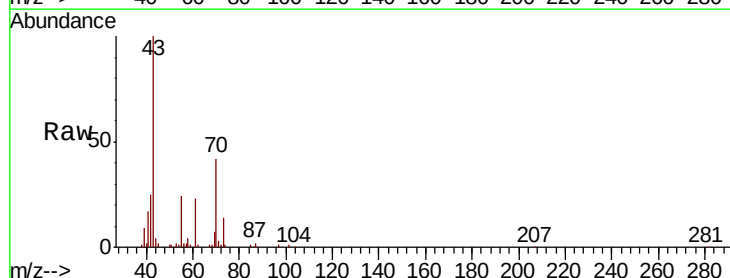
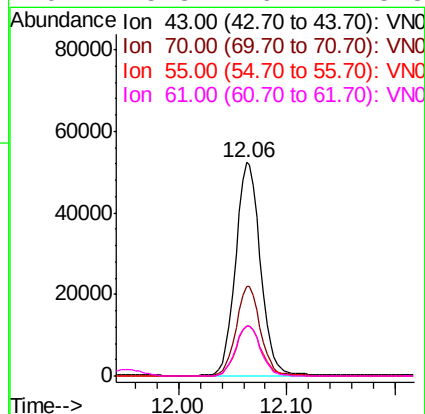
Ion Ratio Lower Upper

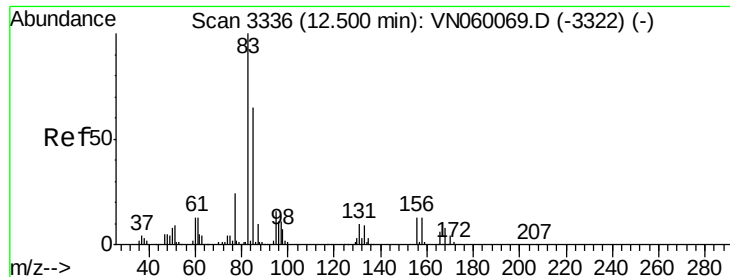
43 100

70 40.8 33.4 50.0

55 23.8 18.8 28.2

61 23.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.112 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

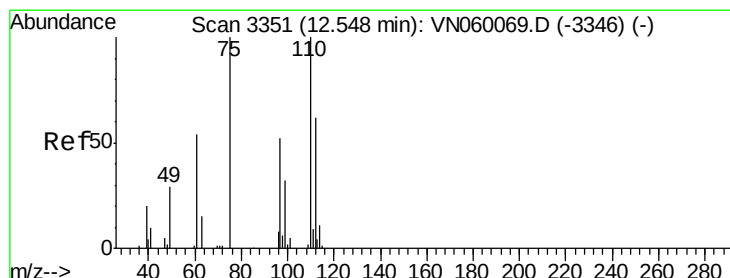
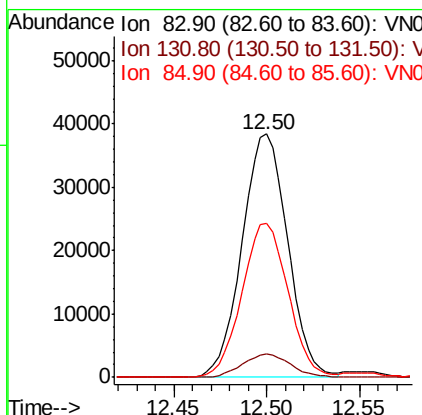
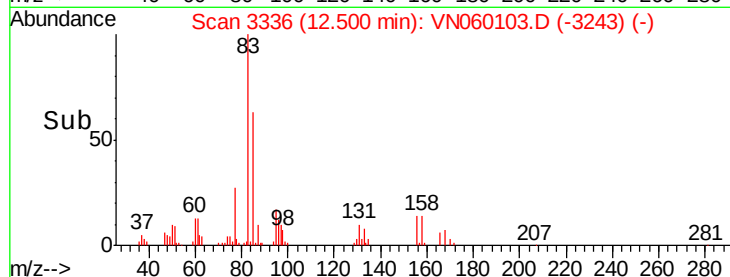
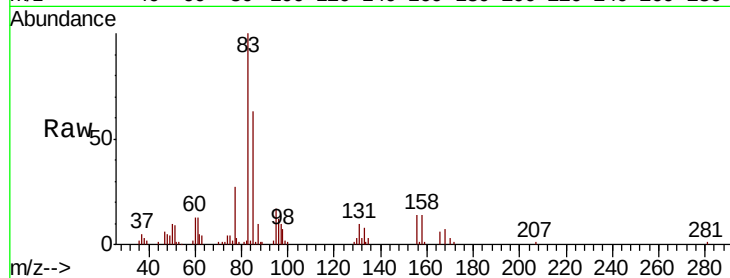
ClientSampleId :

VN0214MBS01

Tot Ion:	83	Resp:	65645
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	63.9	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.468 ug/l m

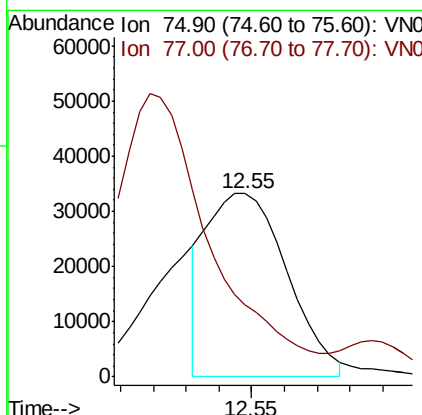
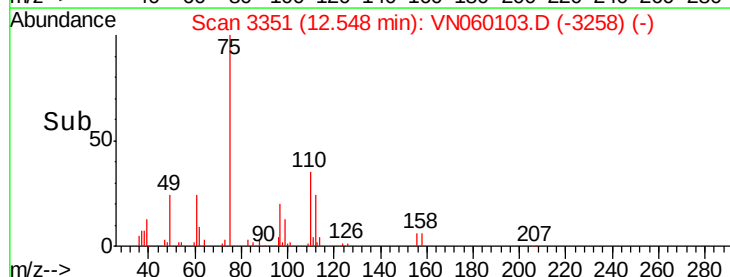
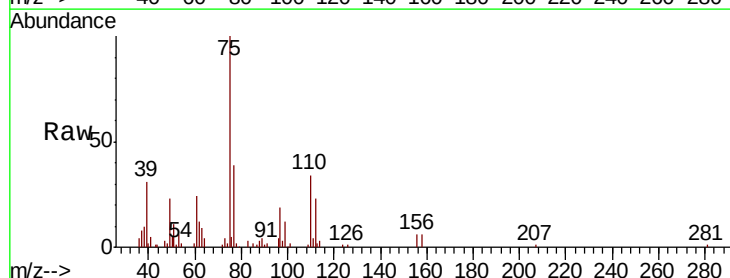
RT: 12.55 min Scan# 3351

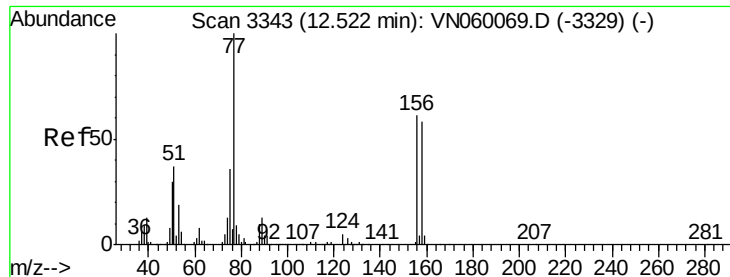
Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Tgt Ion:	75	Resp:	56803
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.914 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

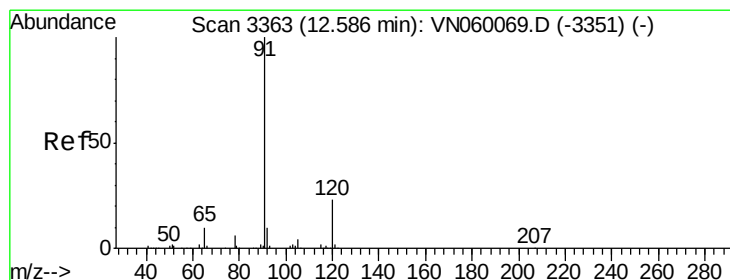
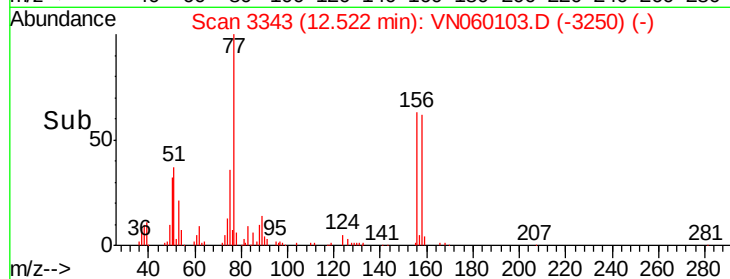
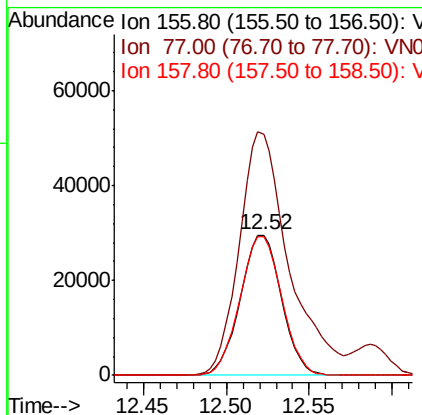
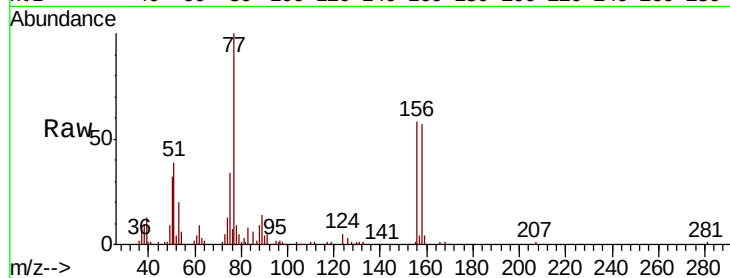
ClientSampleId :

VN0214MBS01

Tot Ion:	156	Resp:	51215
Ion Ratio	Lower	Upper	
156	100		
77	208.7	98.7	296.1
158	100.0	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 22.151 ug/l

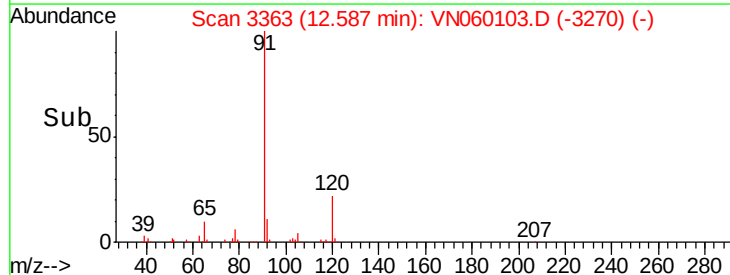
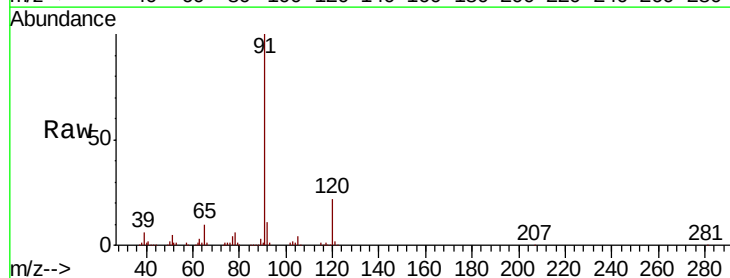
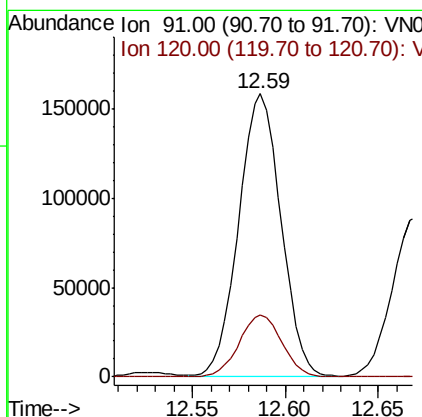
RT: 12.59 min Scan# 3363

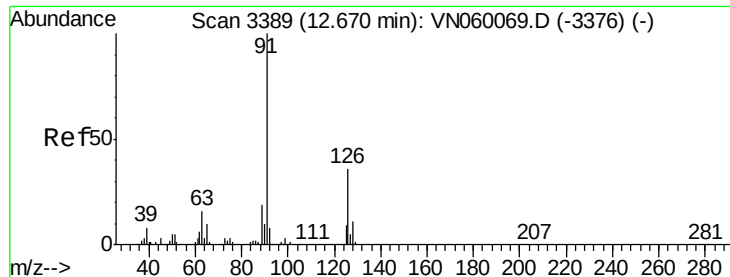
Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Tgt Ion:	91	Resp:	249031
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.5	34.5





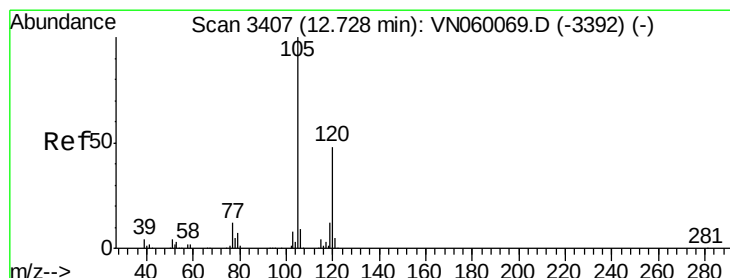
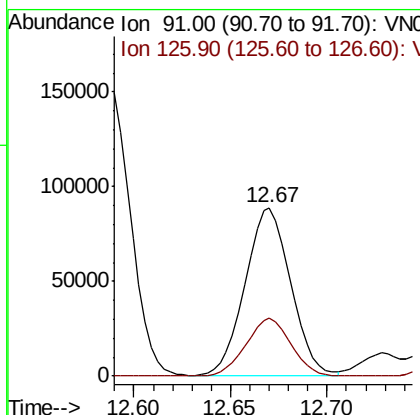
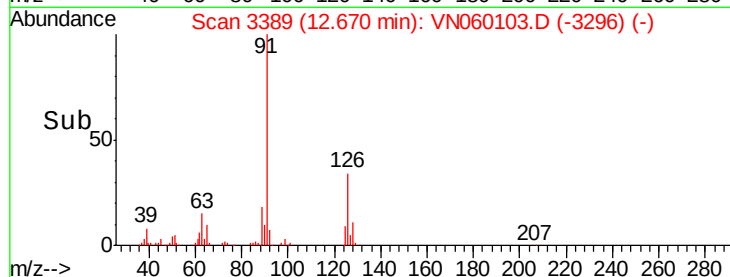
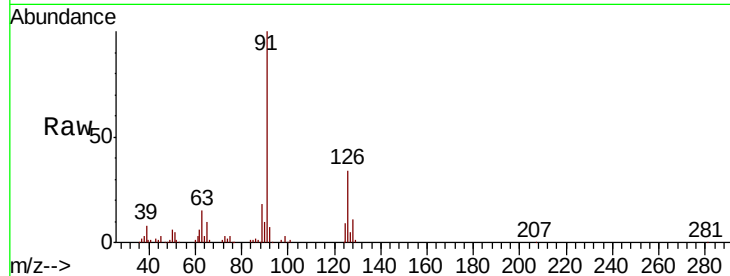
#79
 2-Chlorotoluene
 Concen: 21.898 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Tot Ion: 91 Resp: 144701
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.4 52.2

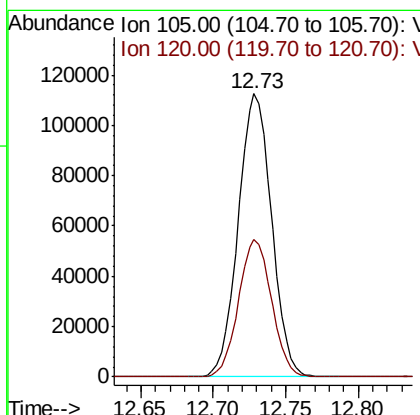
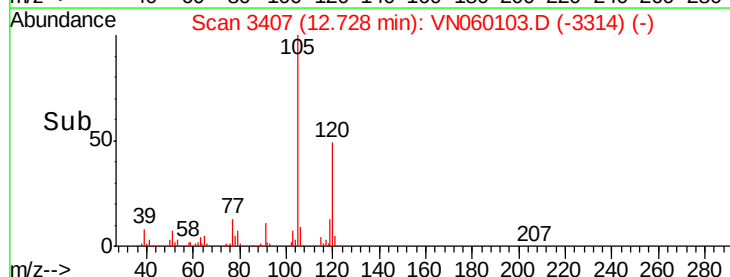
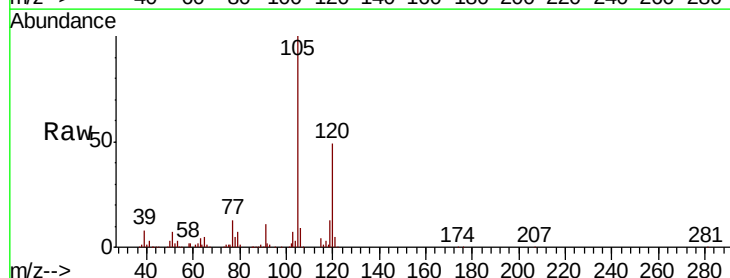
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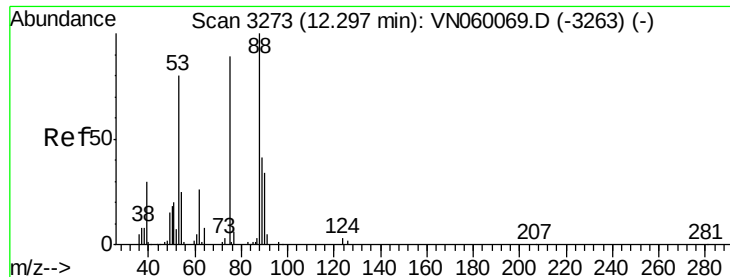
MMDadoda
 2/18/2020 9:30:25 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.893 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion: 105 Resp: 179627
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.3 72.9





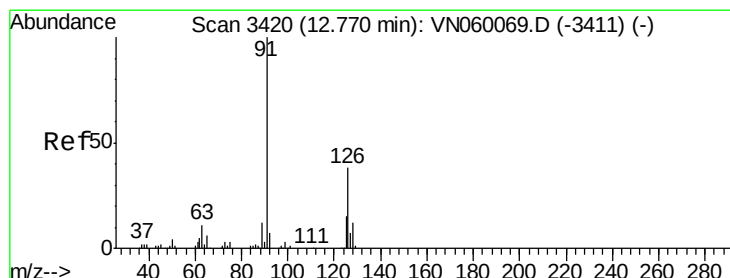
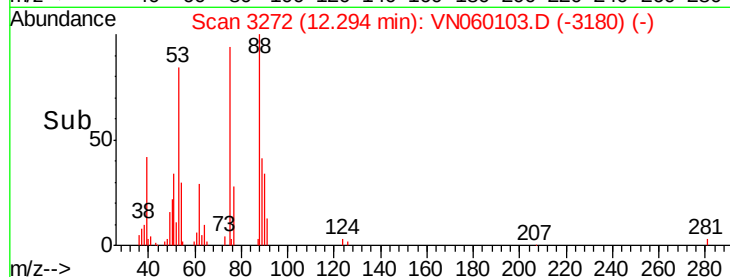
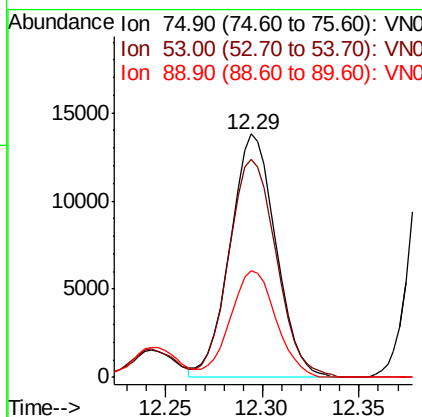
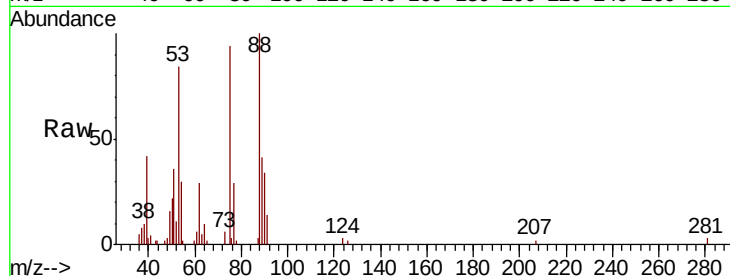
#81
trans-1,4-Dichloro-2-butene
Concen: 21.983 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	73.9	110.9
89	44.1	37.0	55.4

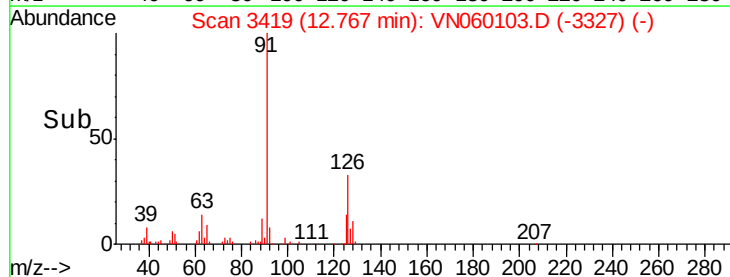
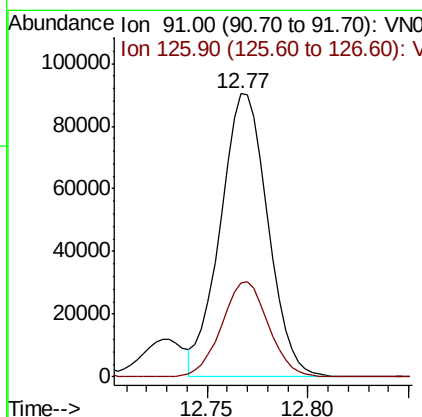
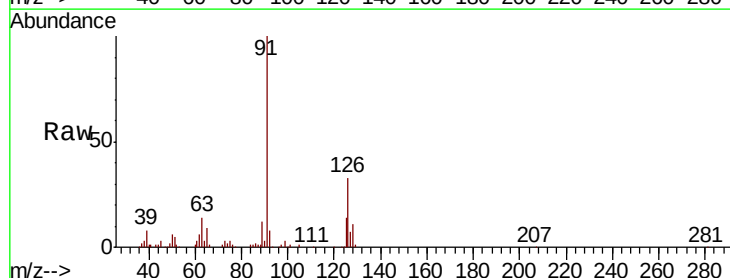
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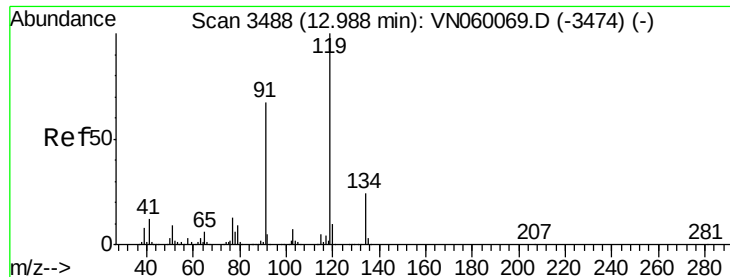
MMDadoda
2/18/2020 9:30:25 AM



#82
4-Chlorotoluene
Concen: 21.803 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.1	51.3





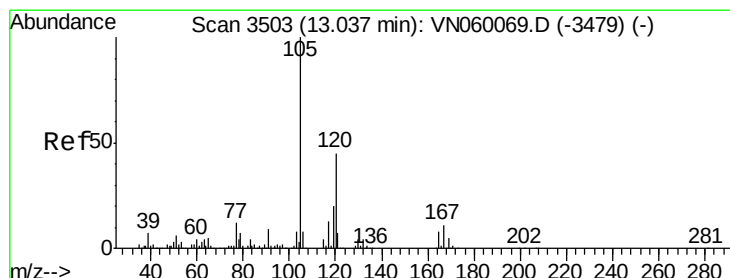
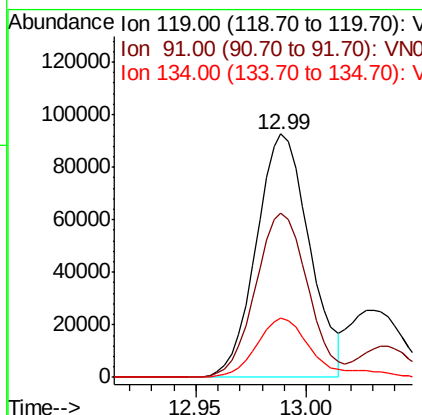
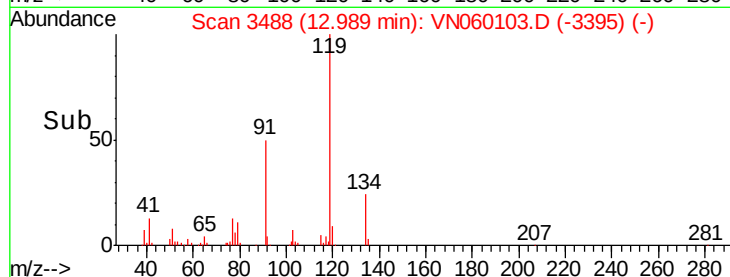
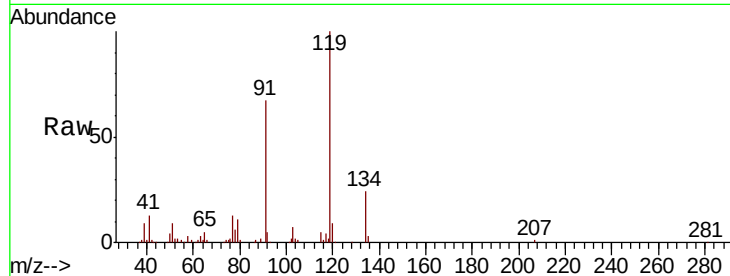
#83
 tert-Butylbenzene
 Concen: 21.277 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	25.7	12.9	38.7

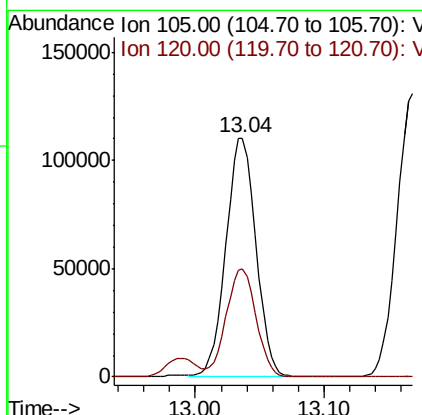
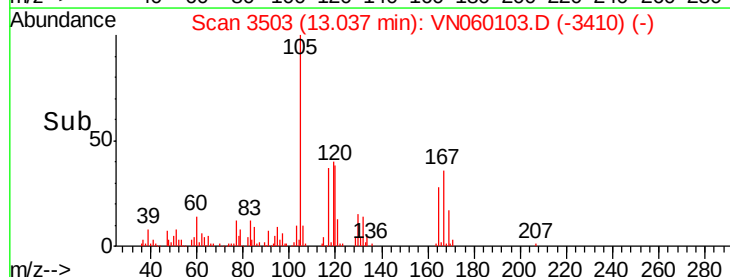
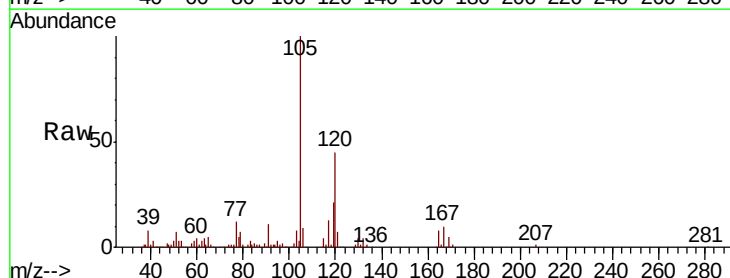
Manual Integrations
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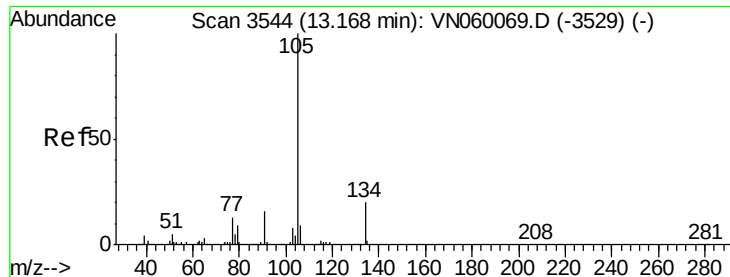
MMDadoda
 2/18/2020 9:30:25 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.053 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.3





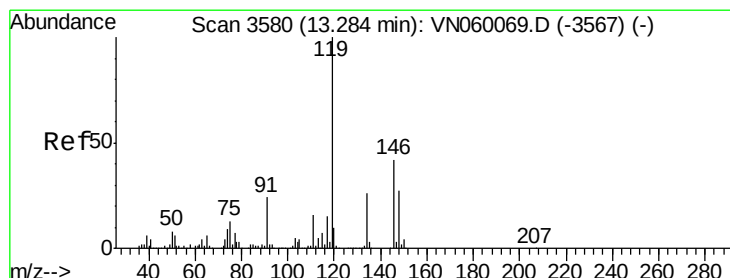
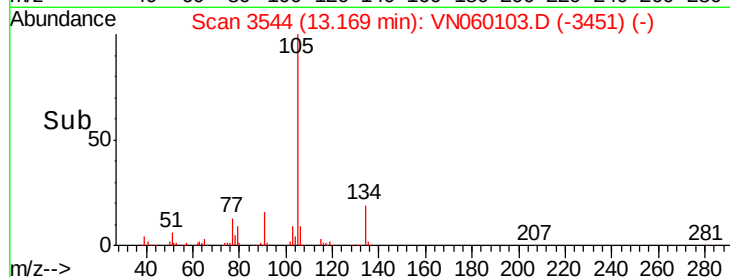
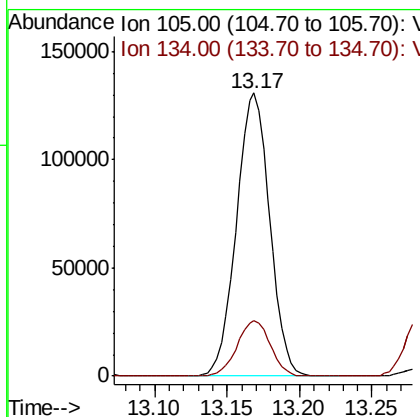
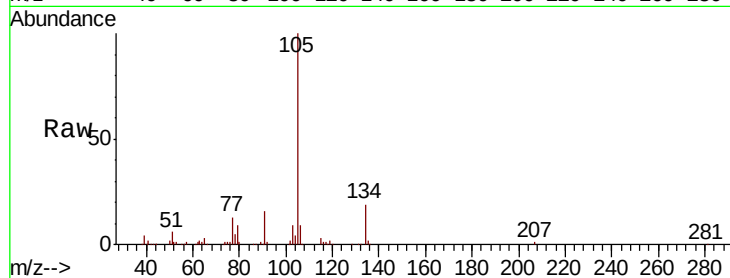
#85
 sec-Butylbenzene
 Concen: 21.658 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0214MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	208176		
134	19.6	9.9	29.7	

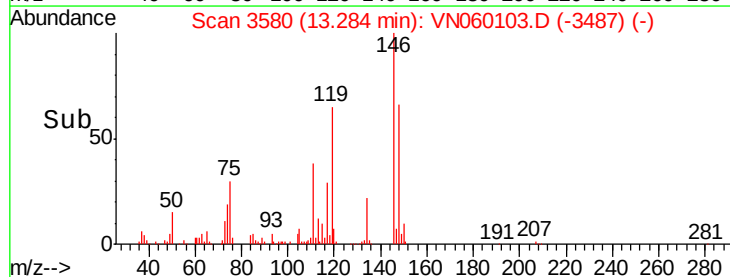
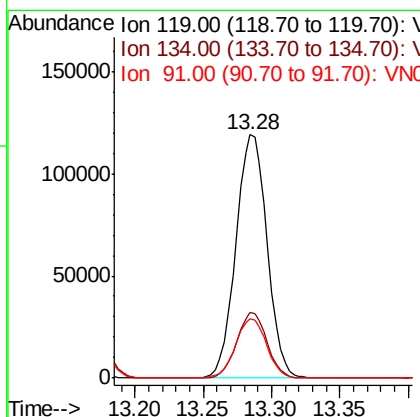
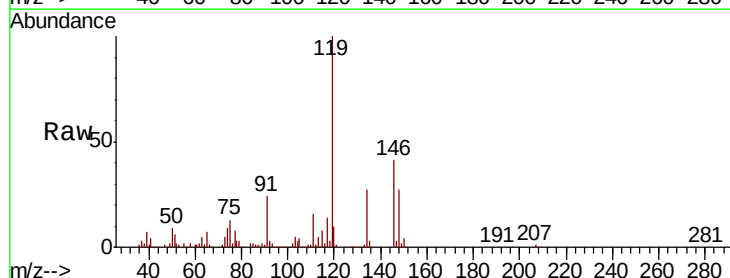
Manual Integrations
 APPROVED

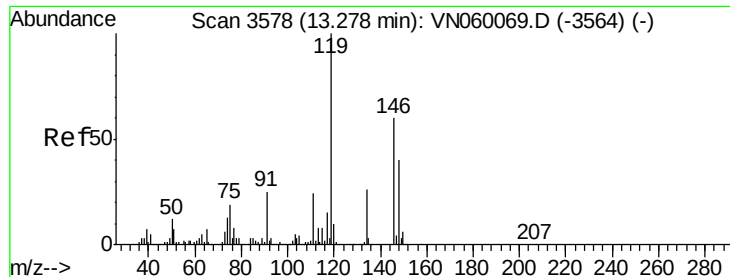
MMDadoda
 2/18/2020 9:30:25 AM



#86
 p-Isopropyltoluene
 Concen: 21.724 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	189192		
134	26.3	13.3	39.8	
91	24.2	11.9	35.9	





#87

1,3-Dichlorobenzene

Concen: 21.409 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060103.D

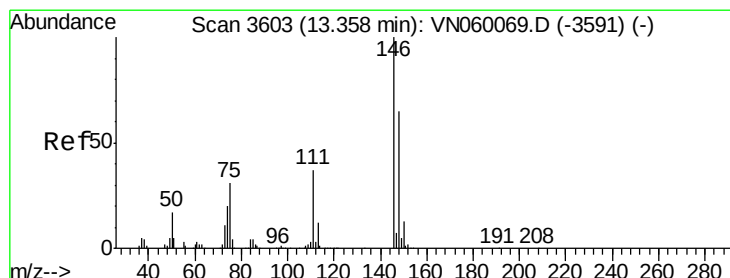
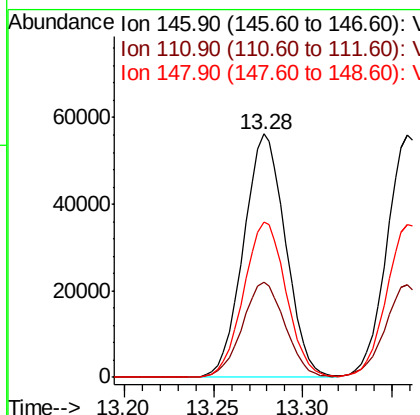
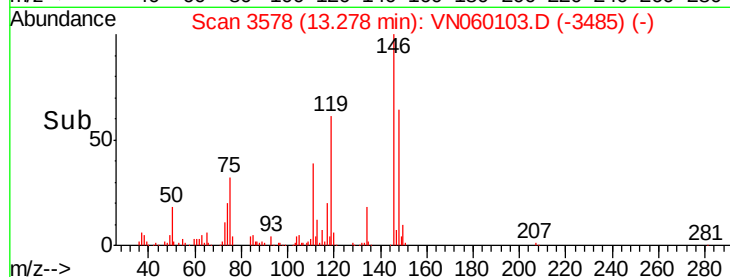
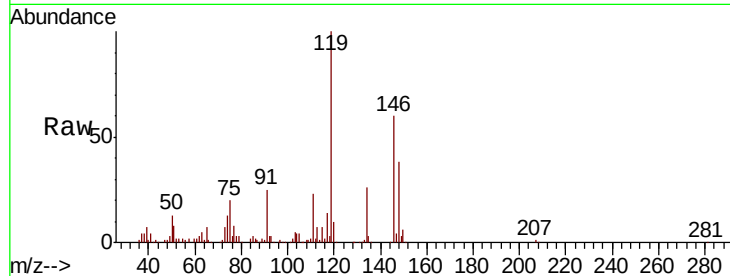
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.4	32.0	96.2

Manual Integrations
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2/18/2020 9:30:25 AM



#88

1,4-Dichlorobenzene

Concen: 21.587 ug/l

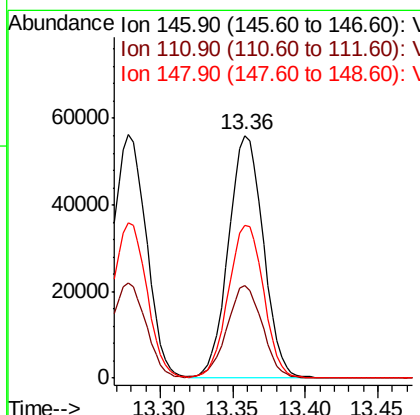
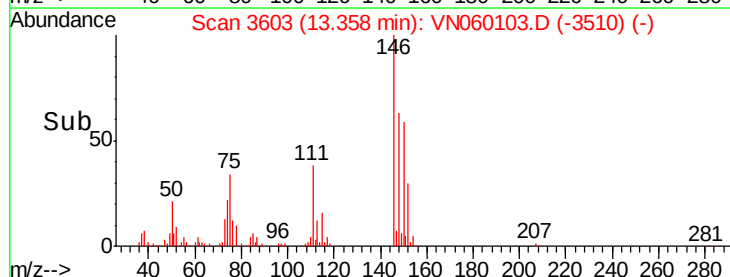
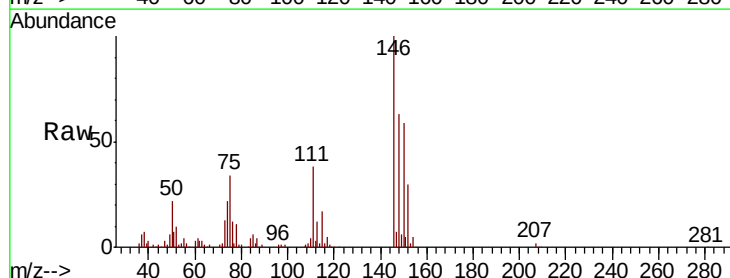
RT: 13.36 min Scan# 3603

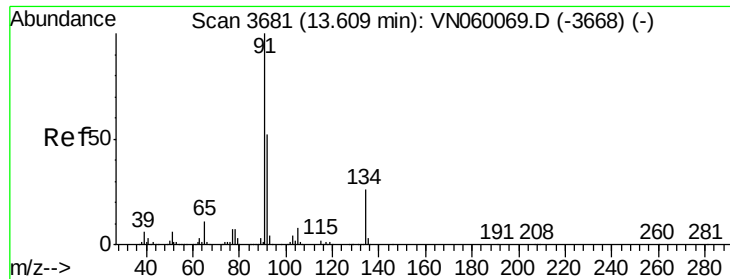
Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	63.8	32.0	96.0





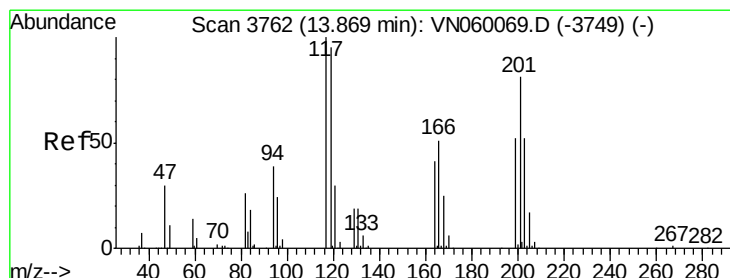
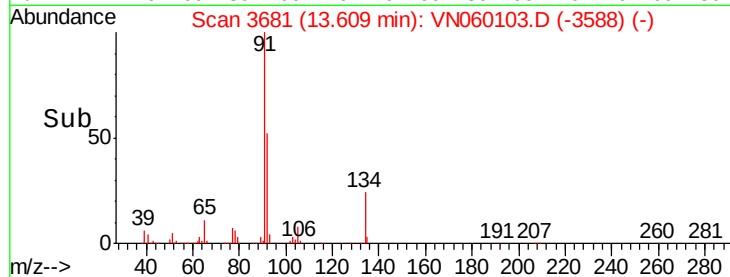
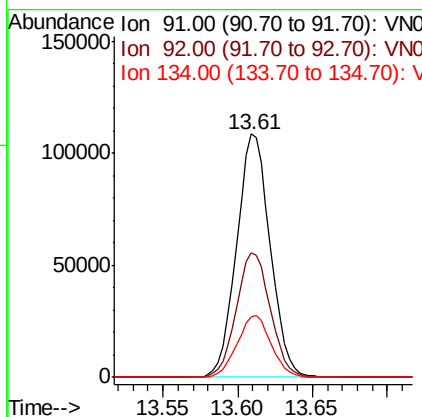
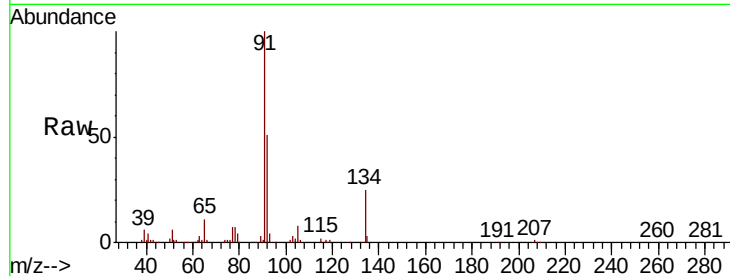
#89
n-Butylbenzene
Concen: 22.135 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	169552		
92	52.0		26.1	78.2
134	25.5		13.1	39.3

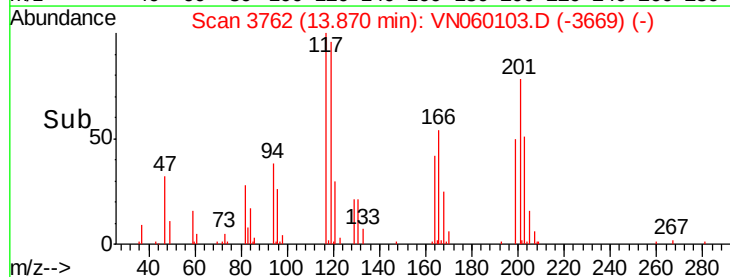
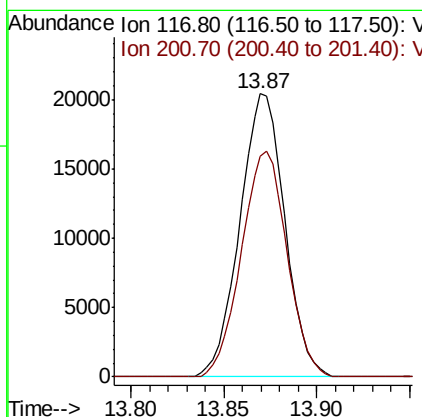
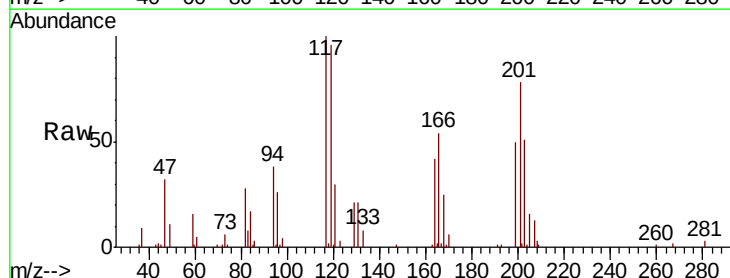
Manual Integrations
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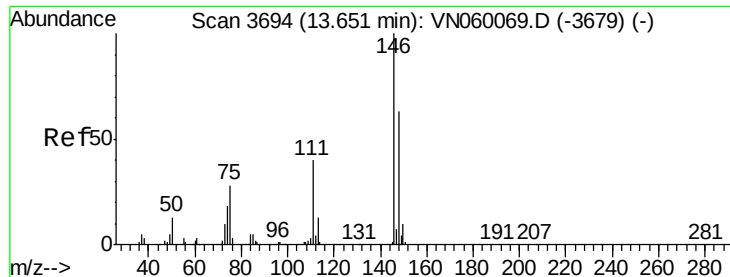
MMDadoda
2/18/2020 9:30:25 AM



#90
Hexachloroethane
Concen: 21.188 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34473		
201	80.9		41.7	125.1





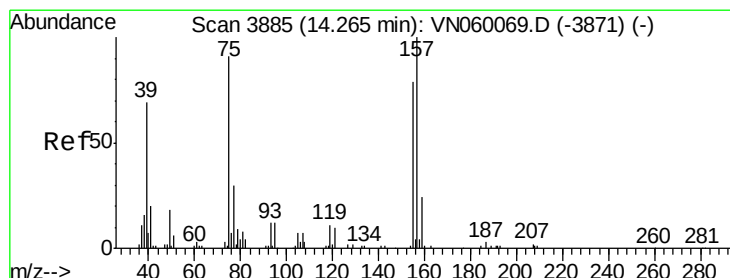
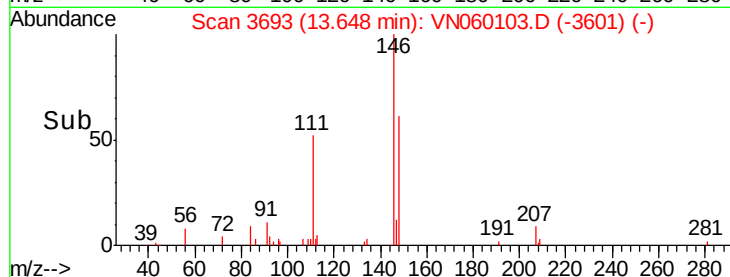
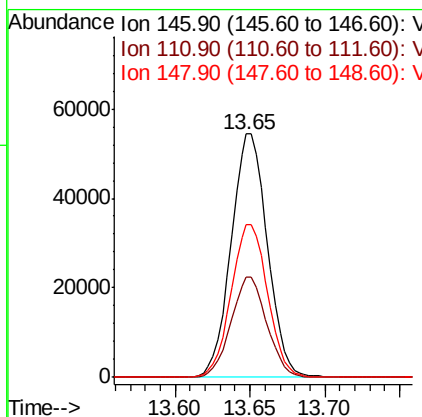
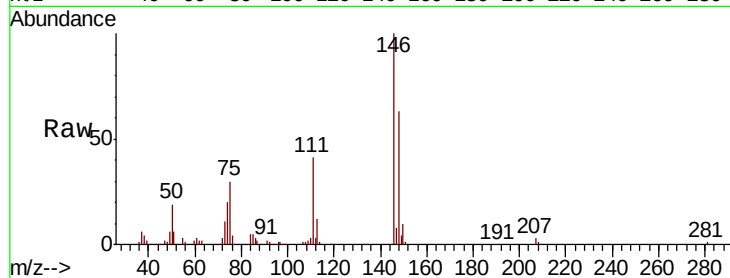
#91
 1,2-Dichlorobenzene
 Concen: 21.574 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	63.5	31.9	95.5

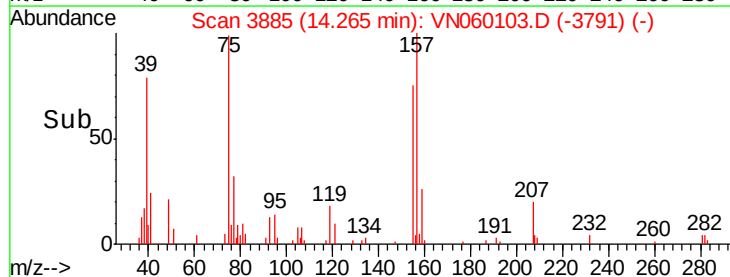
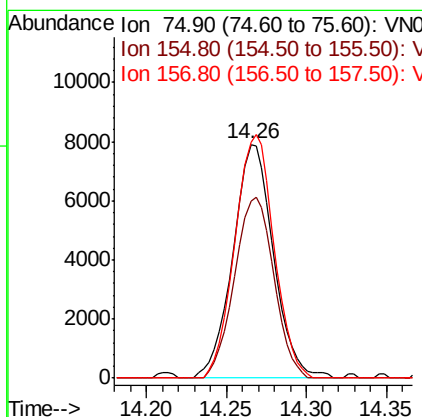
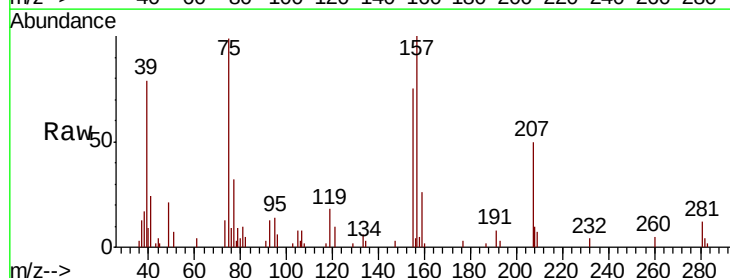
Manual Integrations
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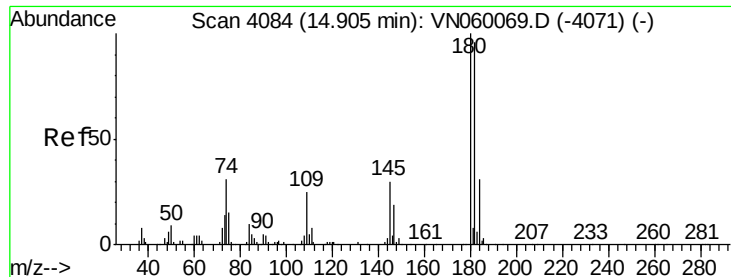
MMDadoda
 2/18/2020 9:30:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.198 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.9	43.0	129.0
157	100.2	54.9	164.5





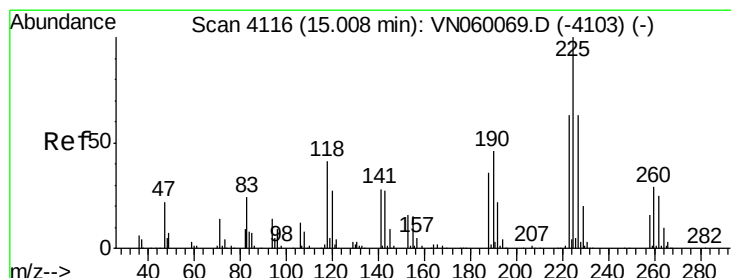
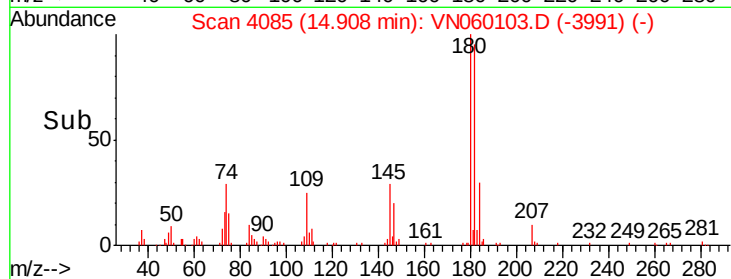
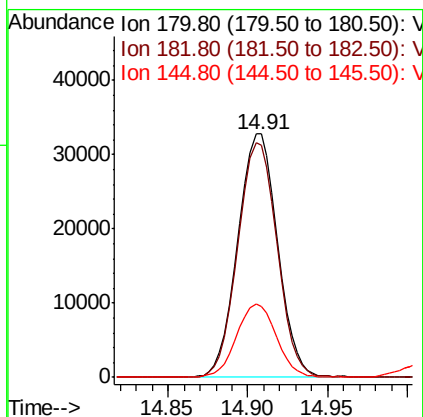
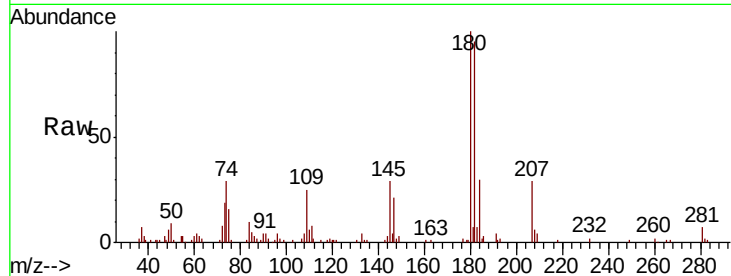
#93
 1,2,4-Trichlorobenzene
 Concen: 22.255 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	30.1	15.2	45.5

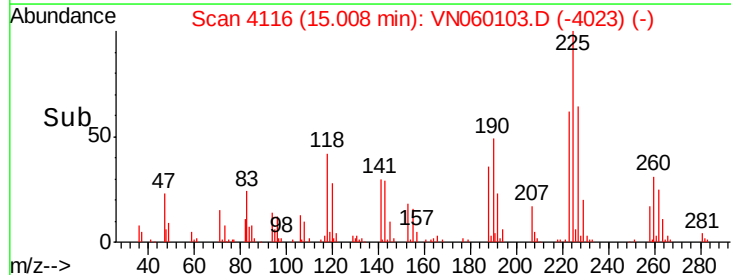
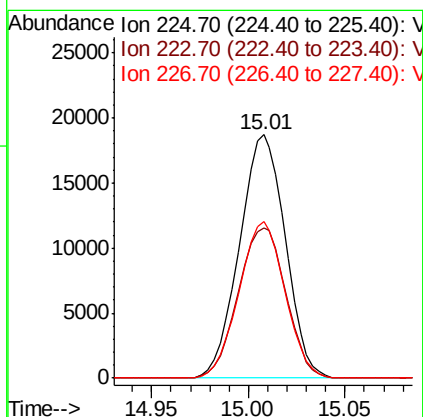
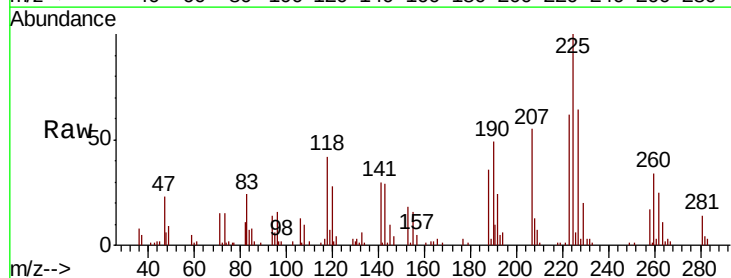
Manual Integrations
 APPROVED

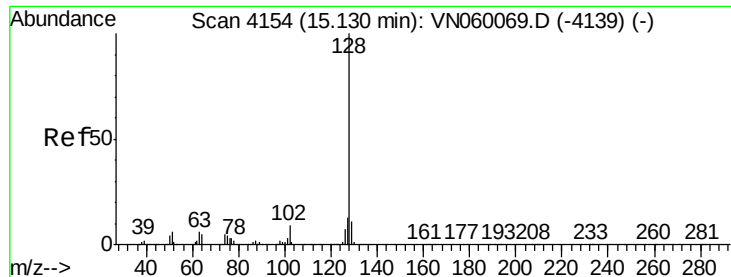
MMDadoda
 2/18/2020 9:30:25 AM



#94
 Hexachlorobutadiene
 Concen: 21.108 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.5	94.5
227	64.6	31.8	95.4





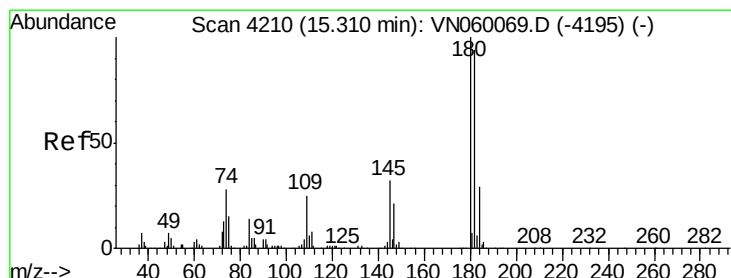
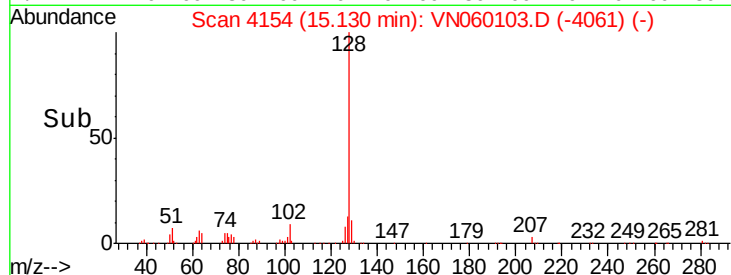
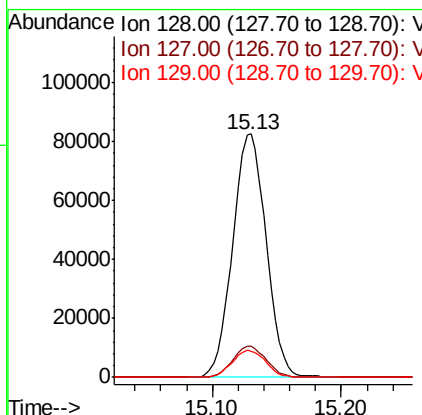
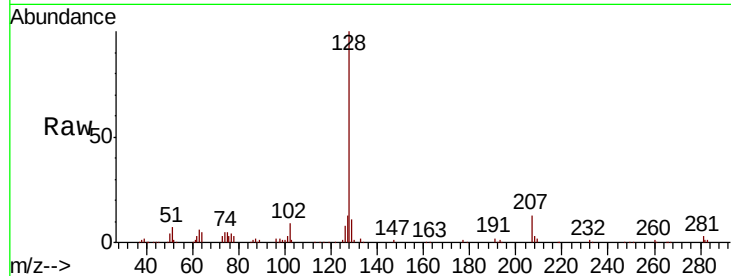
#95
Naphthalene
Concen: 22.152 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0214MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	149156		
127	12.7	10.3	15.5	
129	11.1	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:30:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.829 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54186		
182	95.3	47.5	142.5	
145	31.5	16.1	48.3	

