

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059836.D
 Acq On : 24 Jan 2020 11:17
 Operator : JC/MD
 Sample : VN0124WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:15:32 AM

Quant Time: Jan 25 00:51:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	115815	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.56	113	97048	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.08	98	370833	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	130726	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	49350	19.744	ug/l	98
3) Chloromethane	2.03	50	45365	18.990	ug/l	96
4) Vinyl Chloride	2.17	62	57488	21.033	ug/l	98
5) Bromomethane	2.54	94	35215	21.112	ug/l	99
6) Chloroethane	2.68	64	26435	20.443	ug/l	98
7) Trichlorofluoromethane	3.00	101	69268	21.102	ug/l	96
8) Diethyl Ether	3.38	74	24541	21.304	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40479	22.157	ug/l	94
10) Methyl Iodide	3.93	142	58173	19.700	ug/l	95
11) Tert butyl alcohol	4.73	59	39080	100.183	ug/l	99
12) 1,1-Dichloroethene	3.72	96	38909	20.382	ug/l	86
13) Acrolein	3.58	56	23084	83.598	ug/l	96
14) Allyl chloride	4.29	41	56766	22.062	ug/l #	93
15) Acrylonitrile	4.95	53	90005	101.150	ug/l	99
16) Acetone	3.78	43	110310	134.970	ug/l	96
17) Carbon Disulfide	4.03	76	99364	18.272	ug/l	99
18) Methyl Acetate	4.29	43	55127	20.367	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	132793	21.335	ug/l	96
20) Methylene Chloride	4.52	84	43562	20.003	ug/l #	85
21) trans-1,2-Dichloroethene	5.01	96	41071	20.240	ug/l	86
22) Diisopropyl ether	5.92	45	119671	20.523	ug/l #	94
23) Vinyl Acetate	5.86	43	438906	97.218	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	73464	20.619	ug/l	97
25) 2-Butanone	6.80	43	134045	102.153	ug/l	92
26) 2,2-Dichloropropane	6.80	77	70263	20.513	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	49174	21.069	ug/l	87
28) Bromochloromethane	7.17	49	27666	19.428	ug/l #	73
29) Tetrahydrofuran	7.18	42	78077	96.167	ug/l #	86
30) Chloroform	7.35	83	78544	21.276	ug/l	97
31) Cyclohexane	7.63	56	64175	18.719	ug/l	86
32) 1,1,1-Trichloroethane	7.55	97	71207	20.862	ug/l	96
36) 1,1-Dichloropropene	7.77	75	56633	20.359	ug/l	96
37) Ethyl Acetate	6.90	43	48569	18.616	ug/l #	95
38) Carbon Tetrachloride	7.75	117	63553	21.003	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	67568	19.700	ug/l	91
40) Benzene	8.02	78	170070	20.501	ug/l	100
41) Methacrylonitrile	7.15	41	21870m	17.019	ug/l	
42) 1,2-Dichloroethane	8.10	62	61021	21.694	ug/l	97
43) Isopropyl Acetate	8.14	43	88592	19.742	ug/l #	95
44) Trichloroethene	8.82	130	50710	22.392	ug/l	92
45) 1,2-Dichloropropane	9.10	63	43637	21.257	ug/l	99
46) Dibromomethane	9.19	93	31563	21.796	ug/l	92
47) Bromodichloromethane	9.39	83	62340	21.363	ug/l	99
48) Methyl methacrylate	9.18	41	38289	19.075	ug/l	90
49) 1,4-Dioxane	9.18	88	16699	454.451	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	253156	97.590	ug/l	94
52) Toluene	10.14	92	110161	21.023	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	68461	21.011	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	72651	21.191	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	45507	21.927	ug/l	95
56) Ethyl methacrylate	10.42	69	61892	19.517	ug/l	93
57) 1,3-Dichloropropane	10.70	76	71473	21.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	107217	112.249	ug/l	92
59) 2-Hexanone	10.74	43	192208	100.576	ug/l	92
60) Dibromochloromethane	10.89	129	50871	21.525	ug/l	99
61) 1,2-Dibromoethane	11.00	107	46082	21.185	ug/l	100
64) Tetrachloroethene	10.62	164	55567	23.589	ug/l	96
65) Chlorobenzene	11.43	112	121487	21.385	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	47734	21.745	ug/l	98
67) Ethyl Benzene	11.50	91	214264	20.776	ug/l	98
68) m/p-Xylenes	11.62	106	163725	42.028	ug/l	93
69) o-Xylene	11.94	106	79920	20.955	ug/l	94
70) Styrene	11.96	104	128390	20.118	ug/l	97
71) Bromoform	12.12	173	36798	20.928	ug/l #	97
73) Isopropylbenzene	12.25	105	212034	20.934	ug/l	99
74) N-amyl acetate	12.07	43	73237	18.634	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	59506	20.265	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	56754m	24.418	ug/l	
77) Bromobenzene	12.52	156	54694	21.323	ug/l	80
78) n-propylbenzene	12.59	91	236146	20.772	ug/l	97
79) 2-Chlorotoluene	12.67	91	139774	20.667	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	179621	21.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21549	19.910	ug/l	93
82) 4-Chlorotoluene	12.77	91	143505	21.155	ug/l	96
83) tert-Butylbenzene	12.99	119	157051	21.317	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	180727	21.445	ug/l	98
85) sec-Butylbenzene	13.17	105	201958	20.864	ug/l	98
86) p-Isopropyltoluene	13.29	119	190151	21.231	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	93843	21.062	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	94765	21.320	ug/l	98
89) n-Butylbenzene	13.61	91	156659	20.514	ug/l	98
90) Hexachloroethane	13.87	117	34916	20.836	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	94072	21.357	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12808	19.028	ug/l	82

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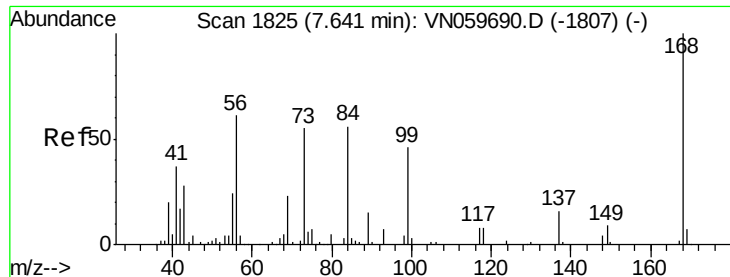
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56477	21.338	ug/l	98
94) Hexachlorobutadiene	15.01	225	31471	21.577	ug/l	98
95) Naphthalene	15.13	128	149291	19.830	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56313	21.858	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

Tot Ion:168 Resp: 208656

Ion Ratio Lower Upper

168 100

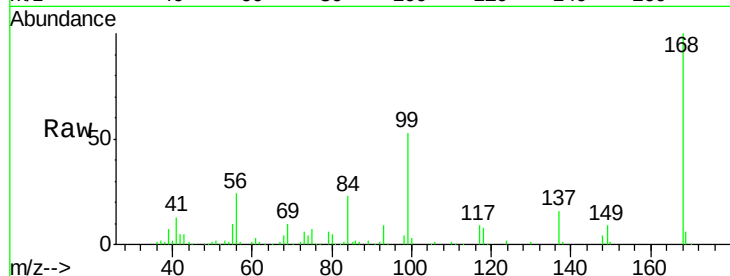
99 52.7 48.2 72.4

Manual Integrations

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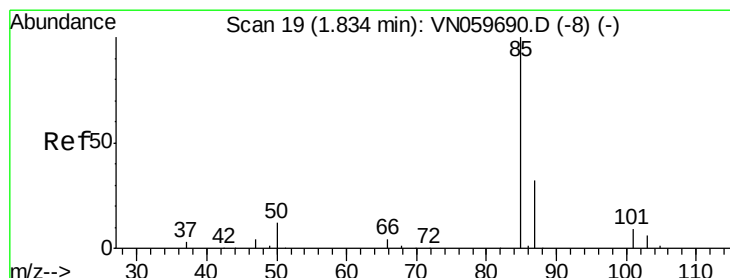
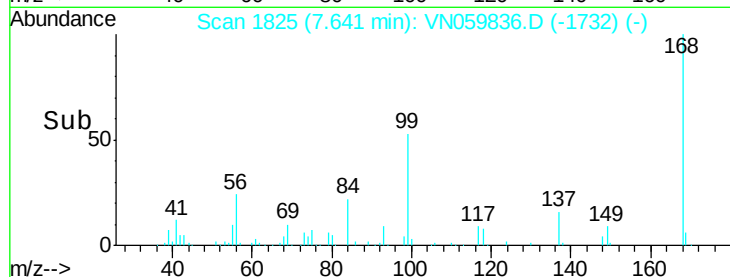
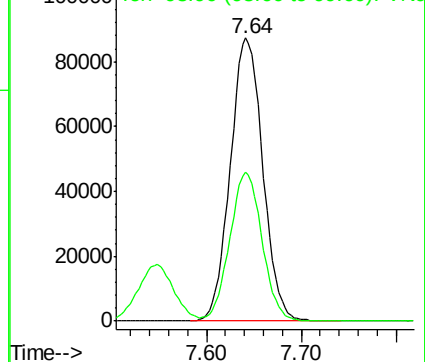
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.744 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059836.D

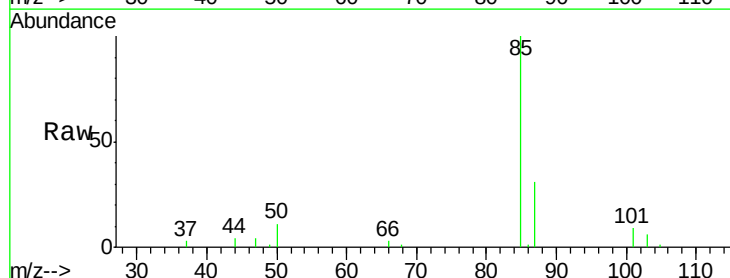
Acq: 24 Jan 2020 11:17

Tgt Ion: 85 Resp: 49350

Ion Ratio Lower Upper

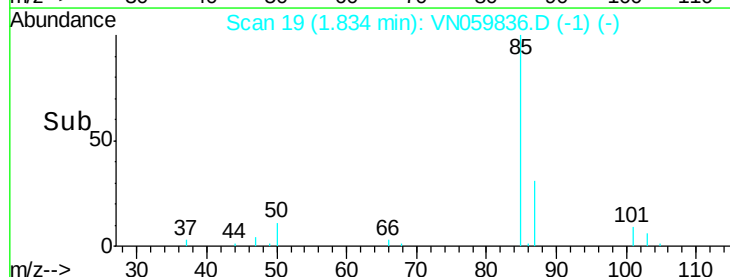
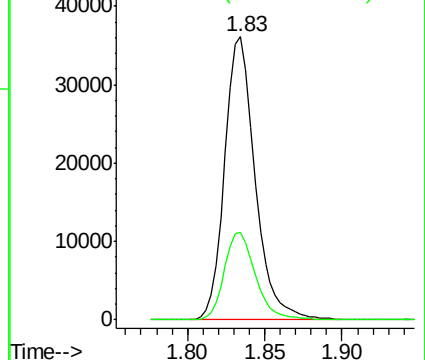
85 100

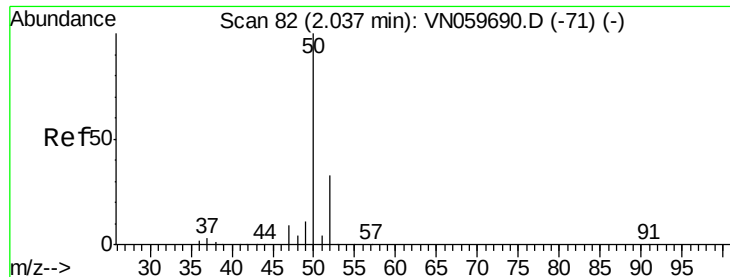
87 30.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.990 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

Tot Ion: 50 Resp: 45365

Ion Ratio Lower Upper

50 100

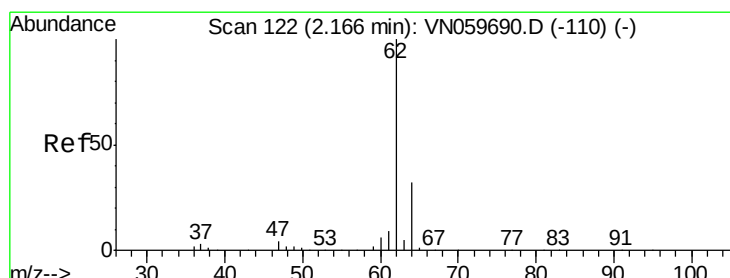
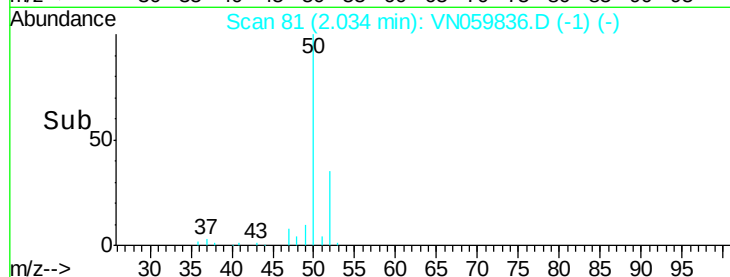
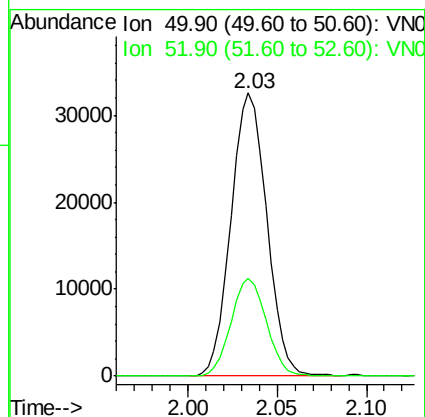
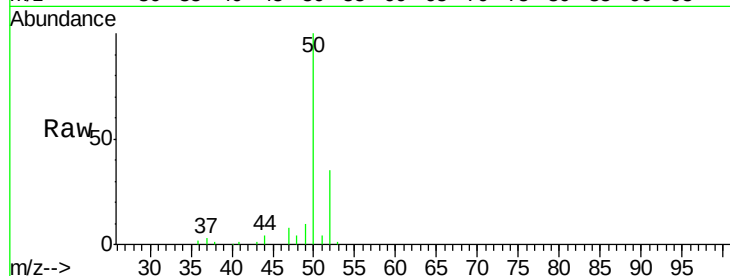
52 34.6 25.9 38.9

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1/27/2020 11:15:32 AM



#4

Vinyl Chloride

Concen: 21.033 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059836.D

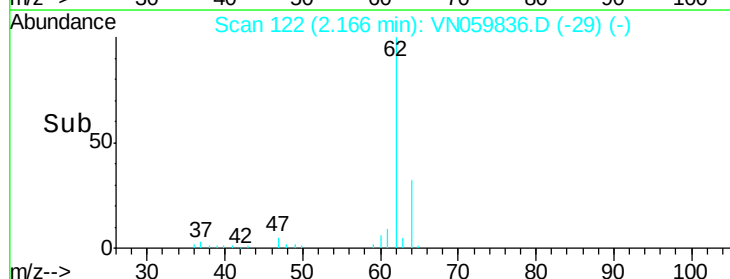
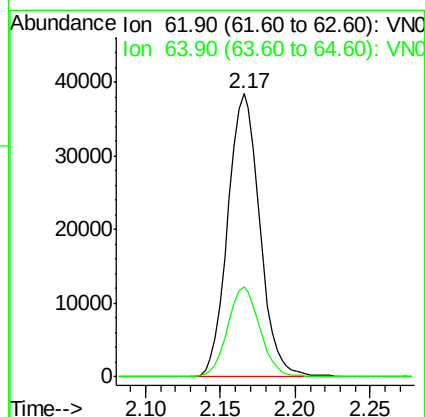
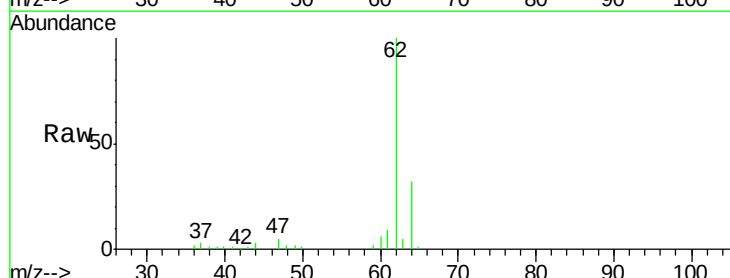
Acq: 24 Jan 2020 11:17

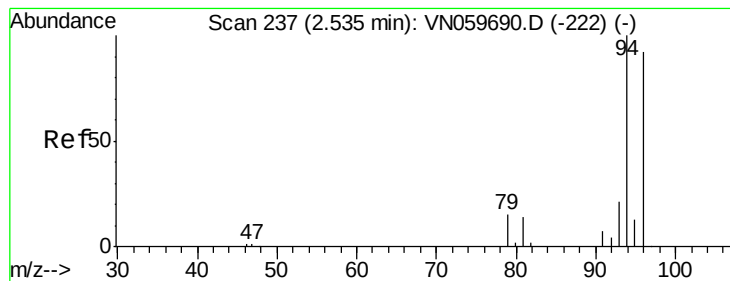
Tgt Ion: 62 Resp: 57488

Ion Ratio Lower Upper

62 100

64 31.8 24.6 37.0





#5

Bromomethane

Concen: 21.112 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

Tot Ion: 94 Resp: 35215

Ion Ratio Lower Upper

94 100

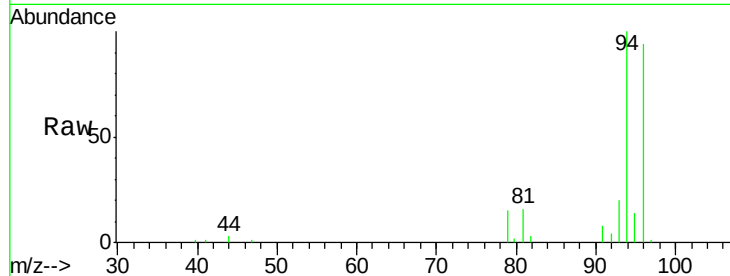
96 94.4 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

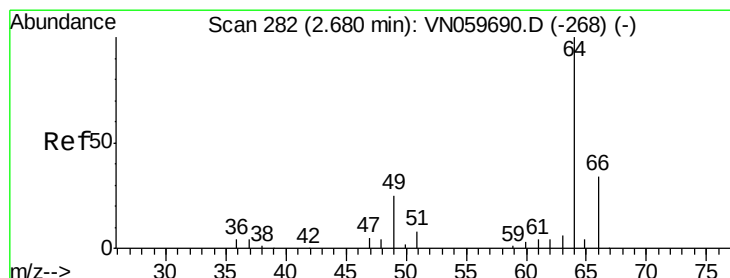
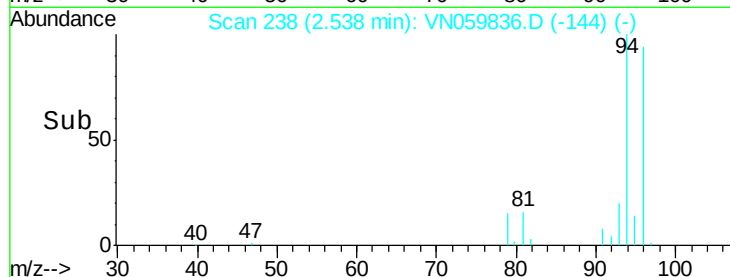
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.443 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059836.D

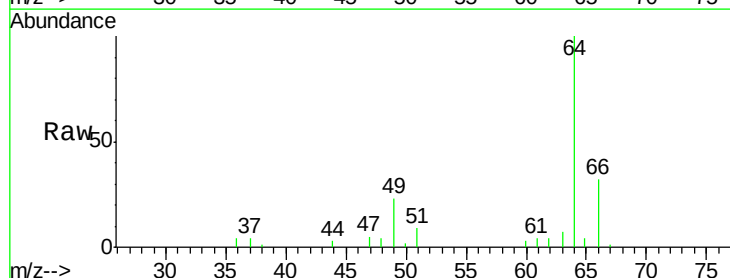
Acq: 24 Jan 2020 11:17

Tgt Ion: 64 Resp: 26435

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

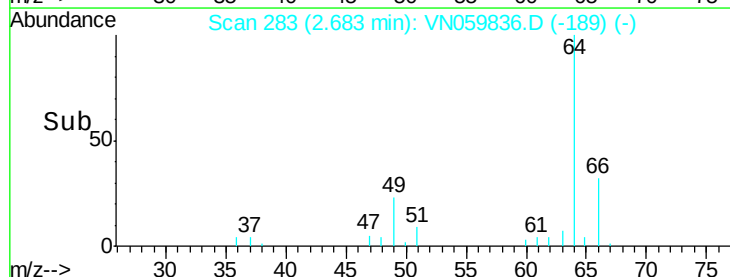
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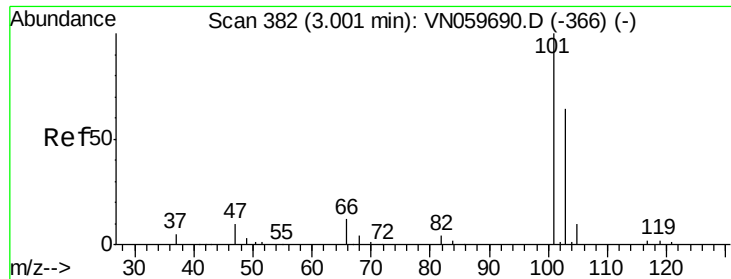
10000

5000

0

Time-->





#7

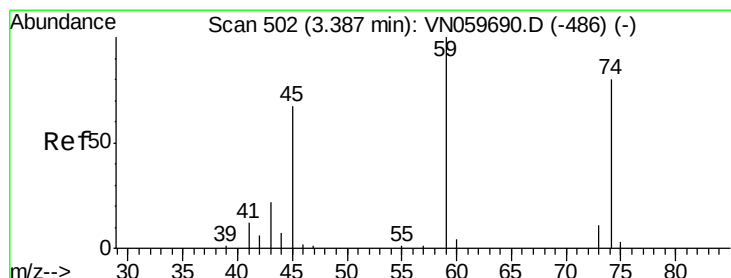
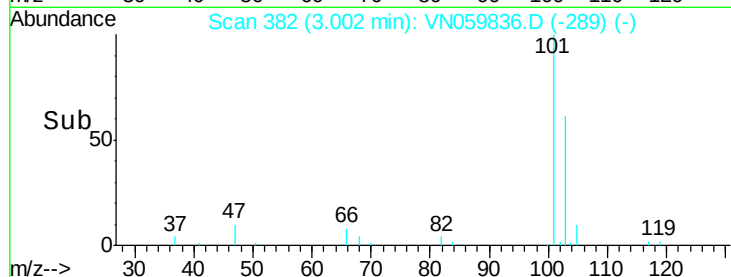
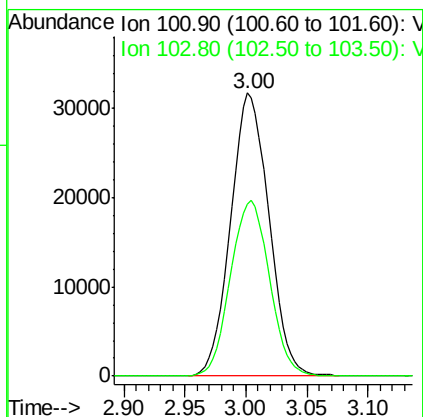
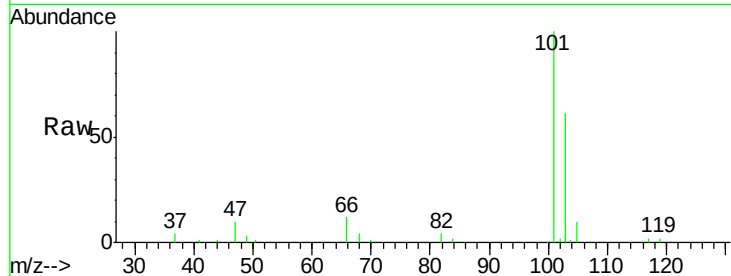
Trichlorofluoromethane
Concen: 21.102 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion:101 Resp: 69268
Ion Ratio Lower Upper
101 100
103 60.8 51.0 76.6

Manual Integrations
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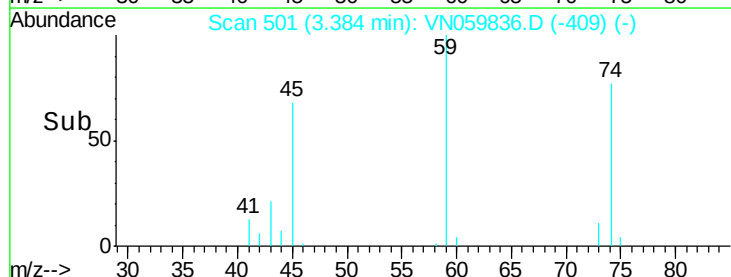
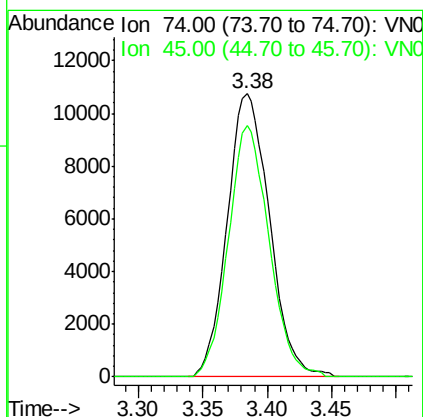
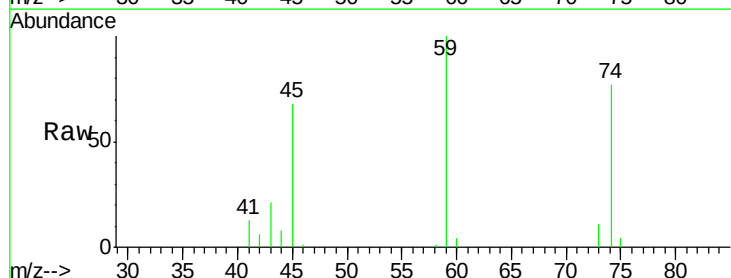
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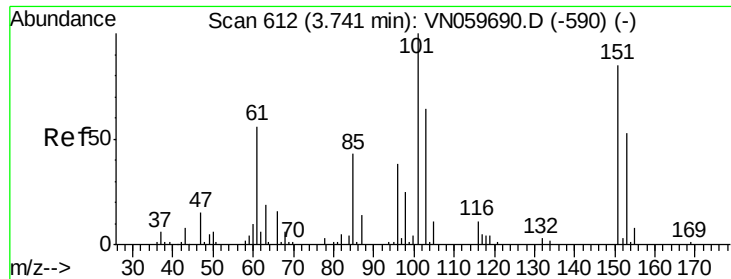


#8

Diethyl Ether
Concen: 21.304 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 74 Resp: 24541
Ion Ratio Lower Upper
74 100
45 85.3 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.157 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059836.D

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Instrument :

MSVOA_N

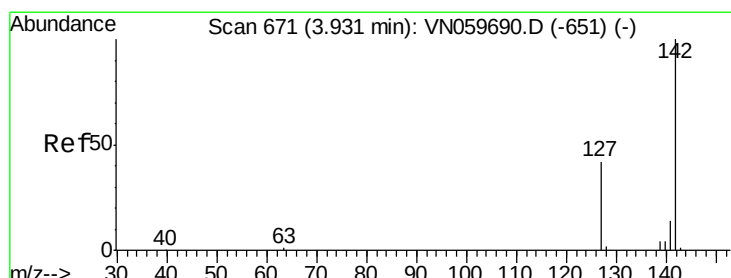
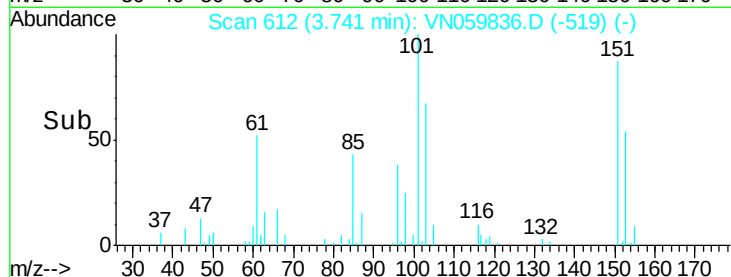
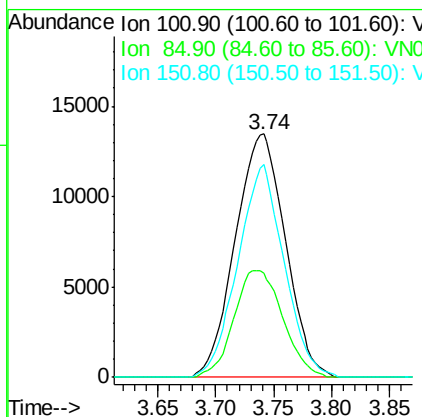
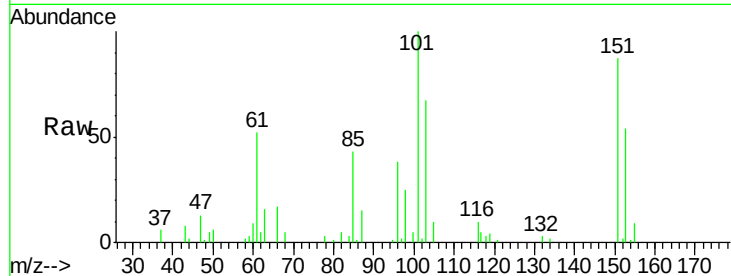
ClientSampleId :

VN0124WBS01

Tot Ion:	101	Resp:	40479
Ion Ratio	Lower	Upper	
101	100		
85	42.7	36.6	54.8
151	80.9	59.7	89.5

Manual Integrations
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1/27/2020 11:15:32 AM



#10

Methyl Iodide

Concen: 19.700 ug/l

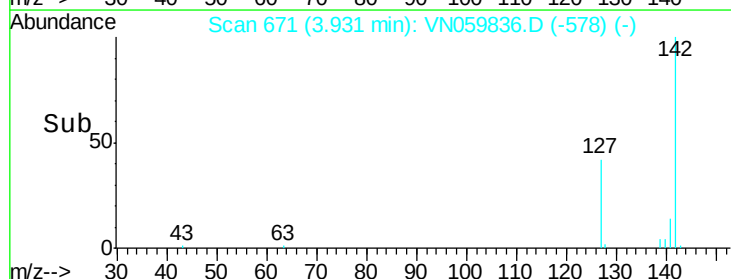
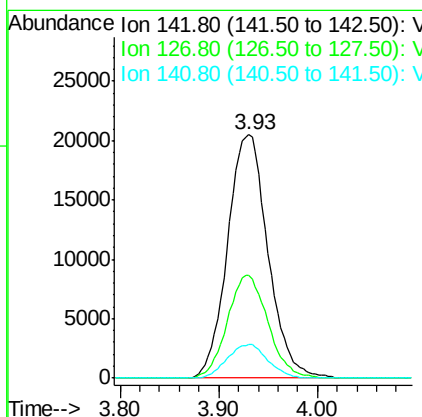
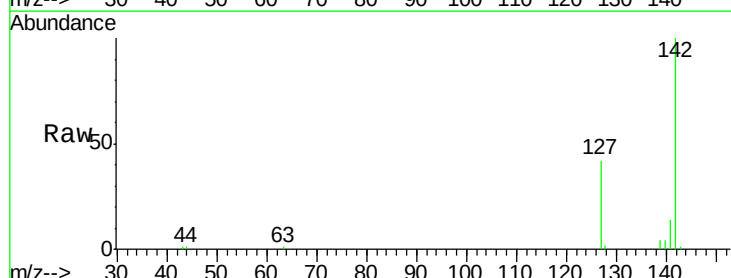
RT: 3.93 min Scan# 671

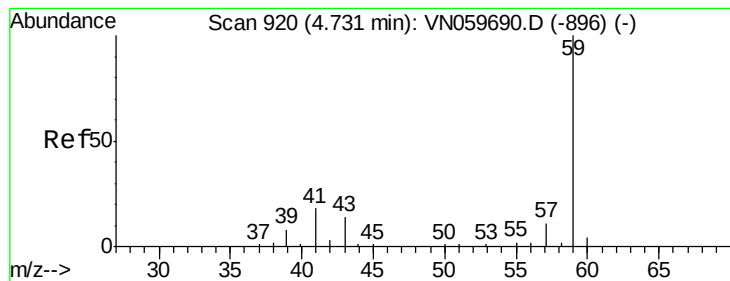
Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Tgt Ion:	142	Resp:	58173
Ion Ratio	Lower	Upper	
142	100		
127	42.2	36.7	55.1
141	13.8	11.7	17.5





#11

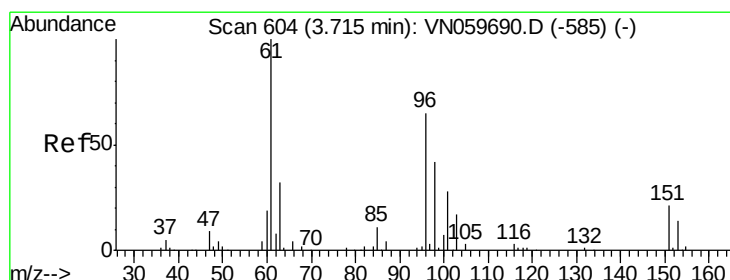
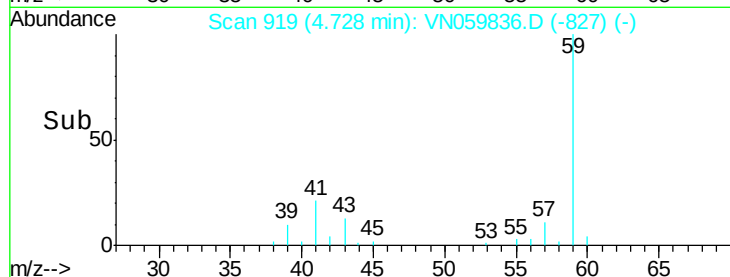
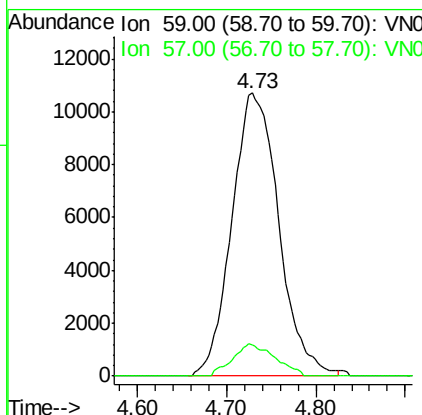
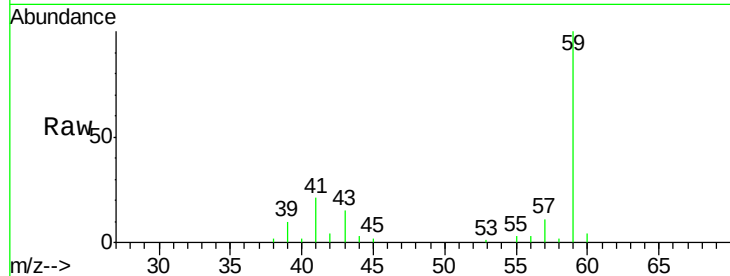
Tert butyl alcohol
 Concen: 100.183 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0124WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	39080		
57	57	10.3		8.6	12.8

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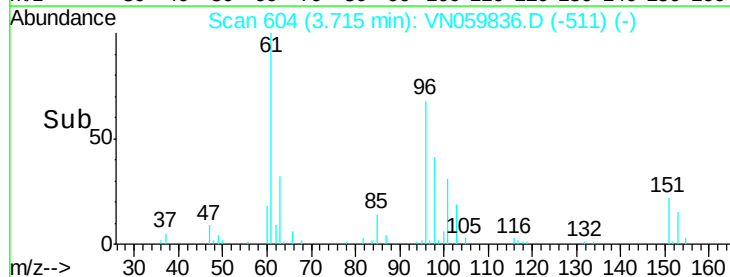
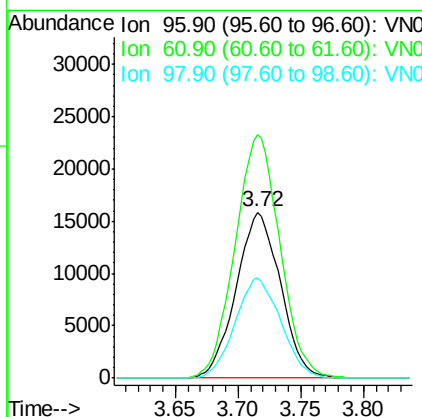
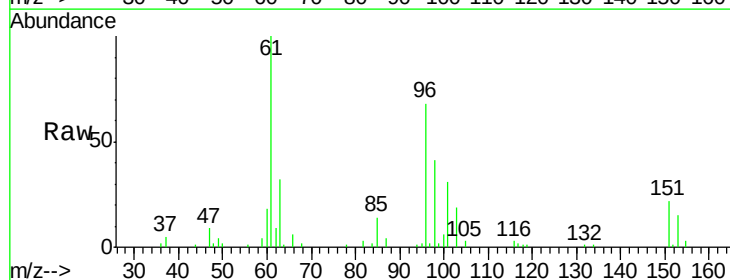
MMDadoda
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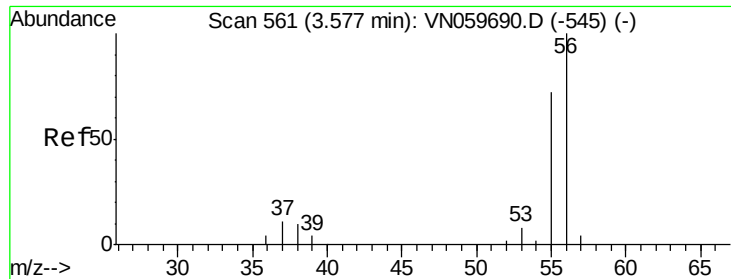


#12

1,1-Dichloroethene
 Concen: 20.382 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	38909		
61	61	147.0		137.5	206.3
98	98	60.7		50.2	75.4





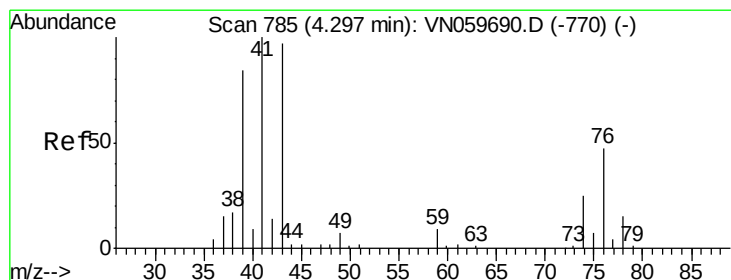
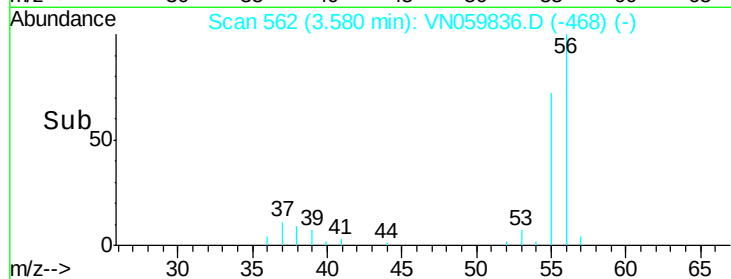
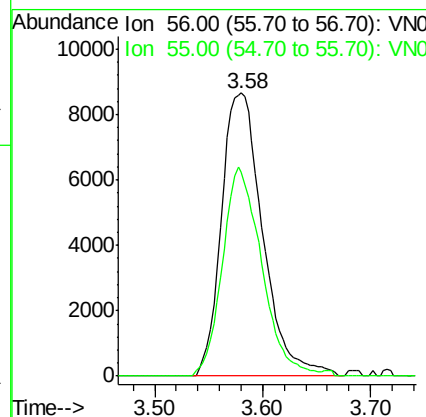
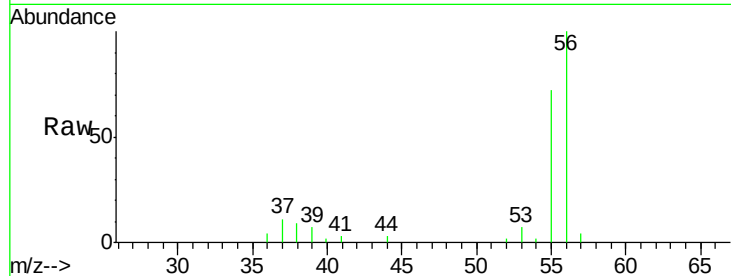
#13
Acrolein
Concen: 83.598 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion: 56 Resp: 23084
Ion Ratio Lower Upper
56 100
55 70.0 58.6 88.0

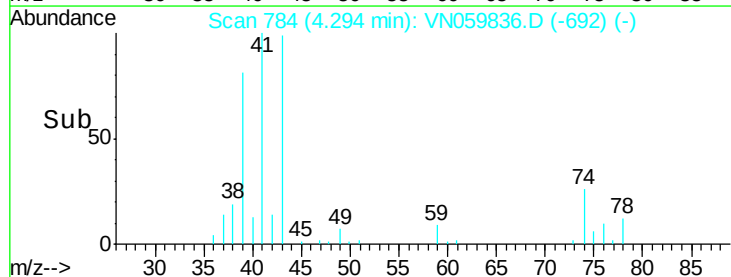
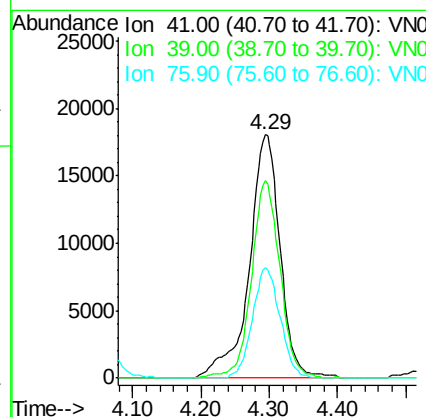
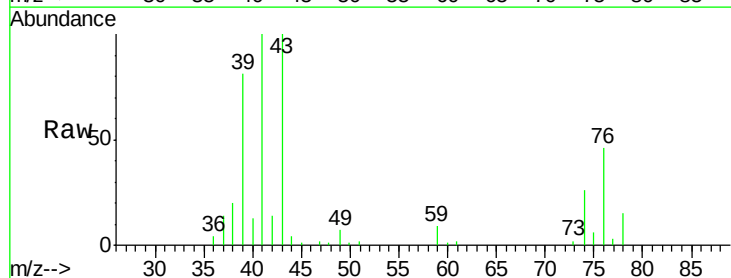
Manual Integrations
APPROVED

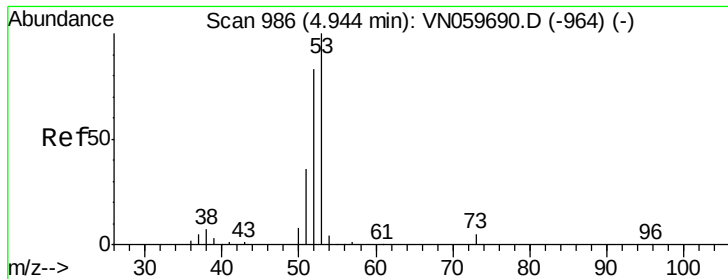
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#14
Allyl chloride
Concen: 22.062 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 41 Resp: 56766
Ion Ratio Lower Upper
41 100
39 74.7 57.8 86.8
76 40.5 25.4 38.0#





#15

Acrylonitrile

Concen: 101.150 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

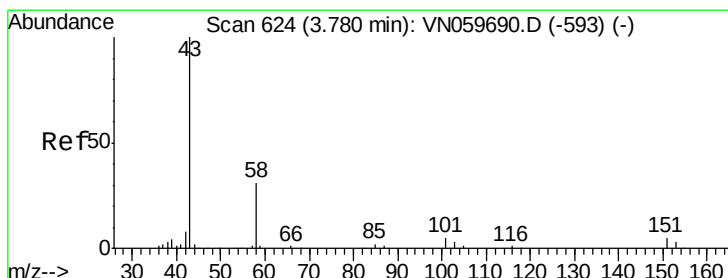
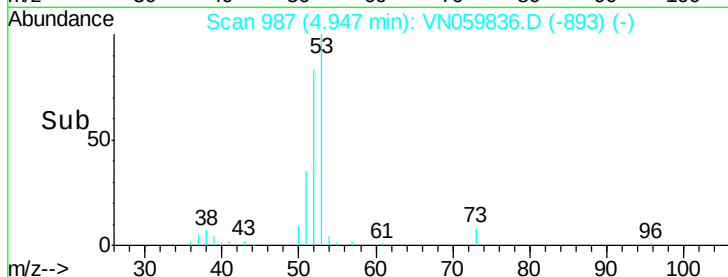
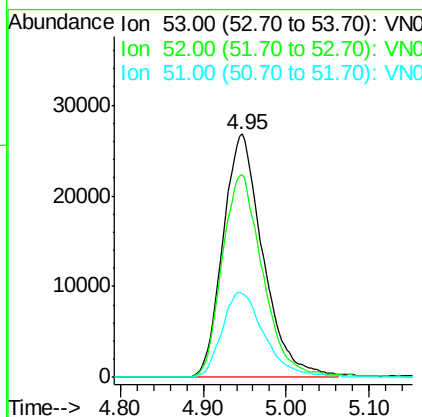
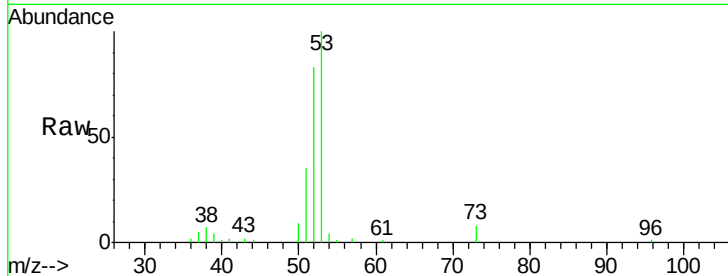
ClientSampled :

VN0124WBS01

Tot Ion:	53	Resp:	90005
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.3	99.5
51	37.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 134.970 ug/l

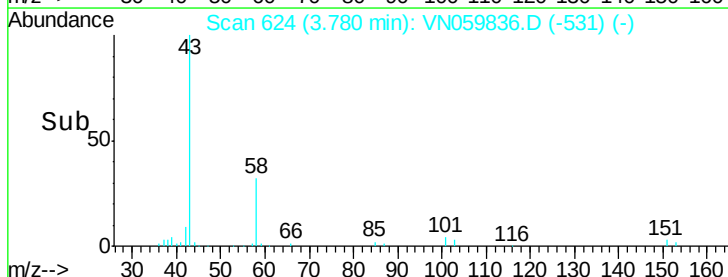
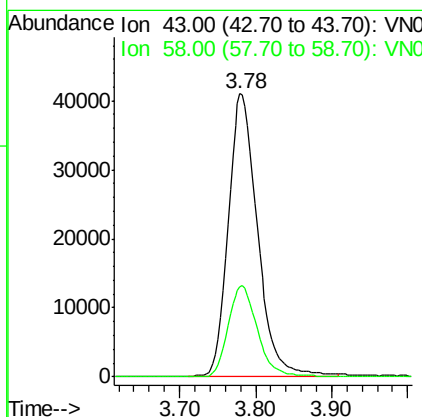
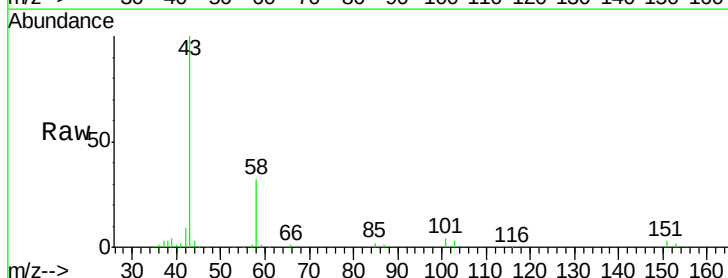
RT: 3.78 min Scan# 624

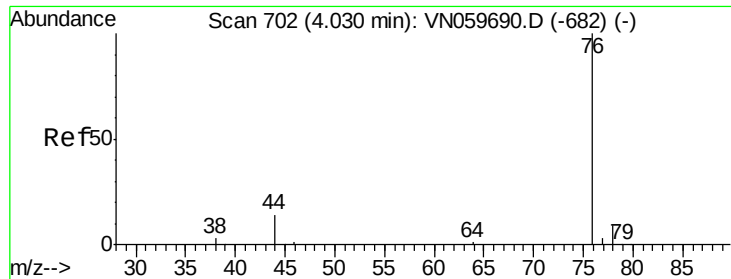
Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Tgt Ion:	43	Resp:	110310
Ion Ratio	Lower	Upper	
43	100		
58	31.7	23.6	35.4





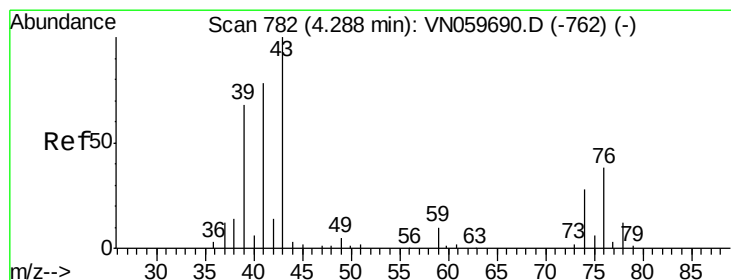
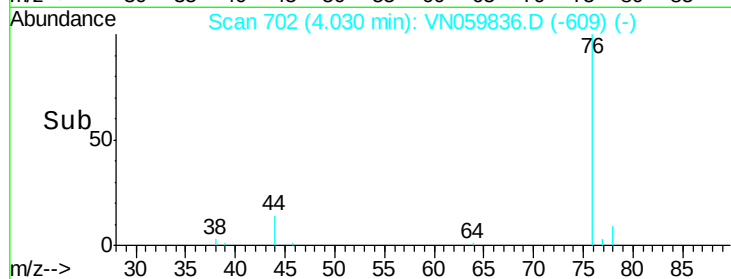
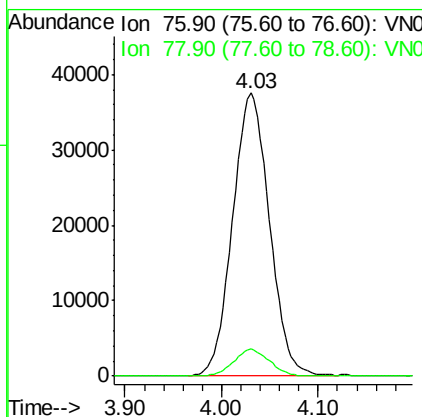
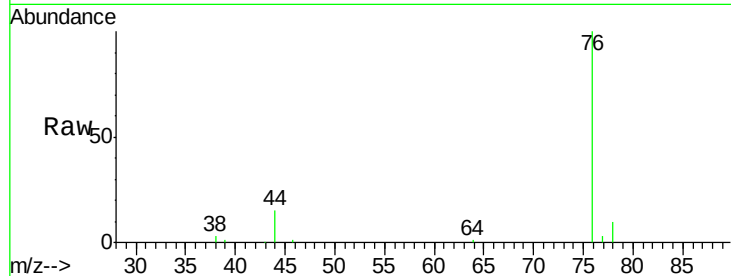
#17
Carbon Disulfide
Concen: 18.272 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0

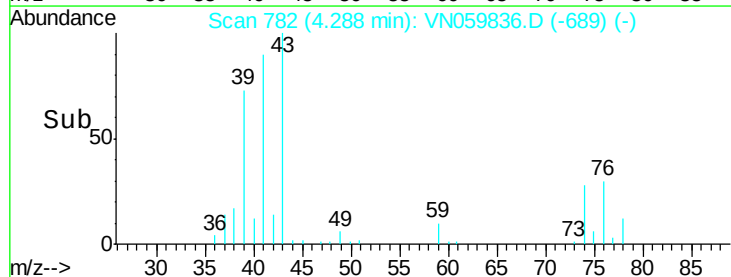
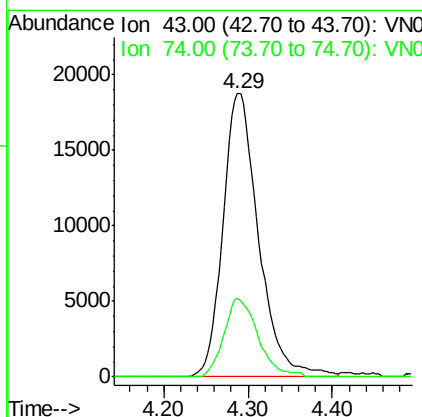
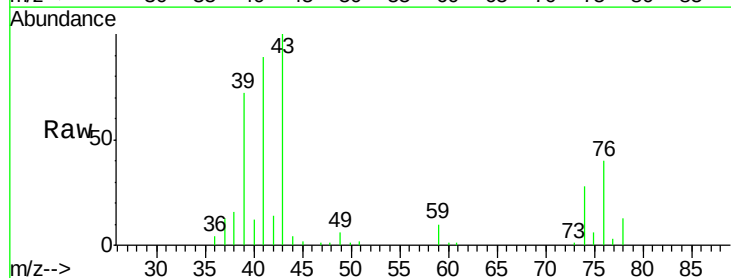
Manual Integrations
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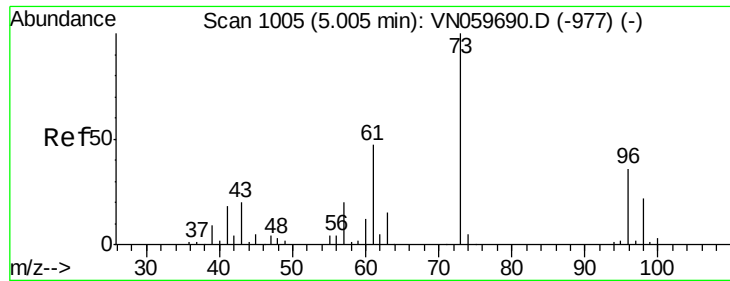
MMDadoda
1/27/2020 11:15:32 AM



#18
Methyl Acetate
Concen: 20.367 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	17.5	26.3#





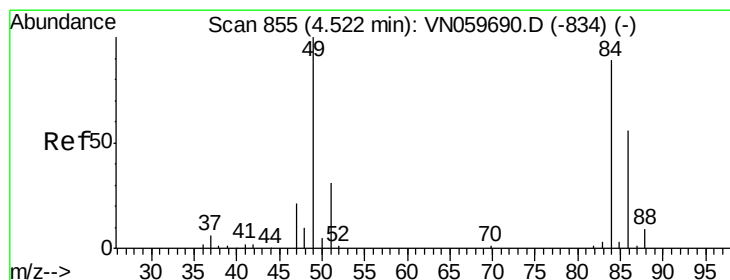
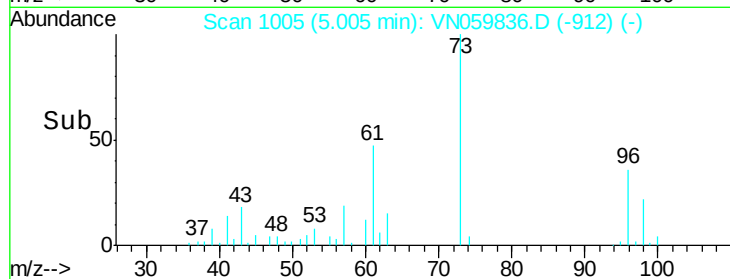
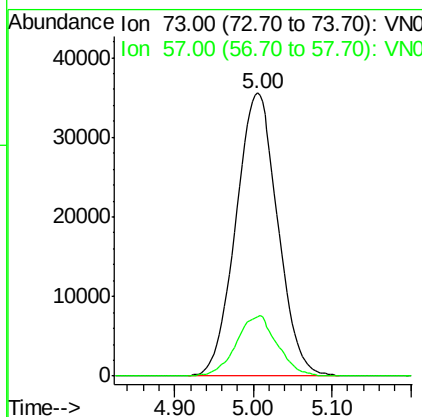
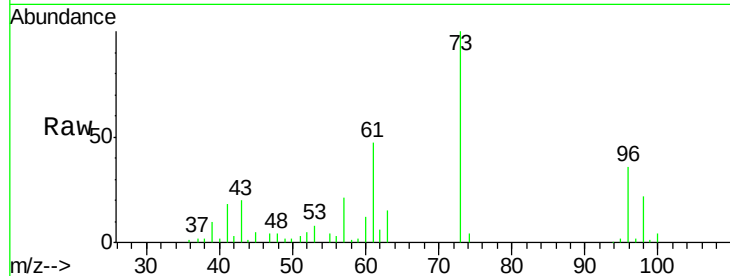
#19
Methyl tert-butyl Ether
Concen: 21.335 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion: 73 Resp: 132793
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8

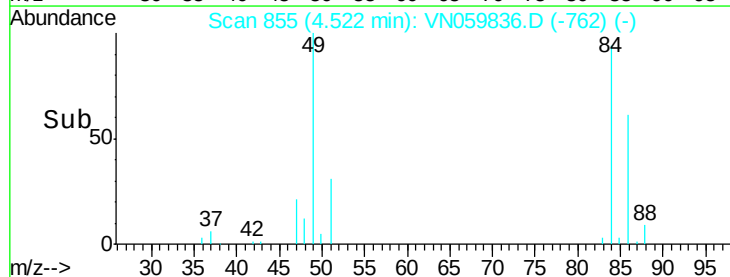
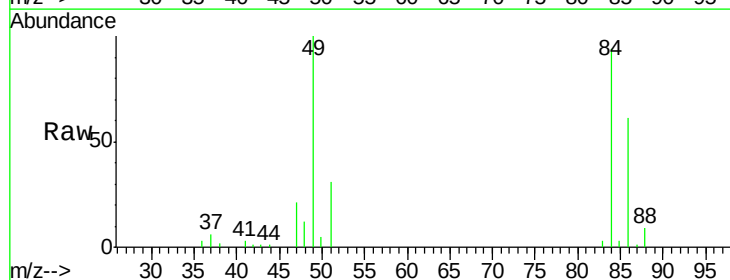
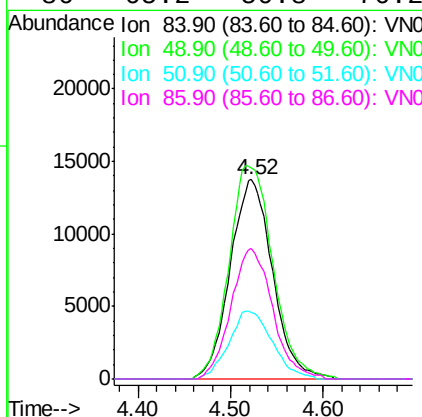
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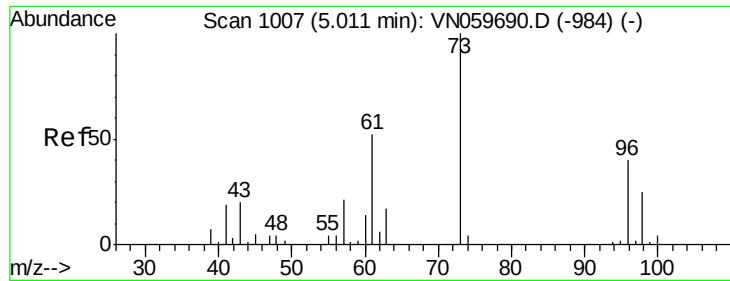
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#20
Methylene Chloride
Concen: 20.003 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 84 Resp: 43562
Ion Ratio Lower Upper
84 100
49 106.0 106.6 160.0#
51 33.3 31.9 47.9
86 65.2 50.8 76.2





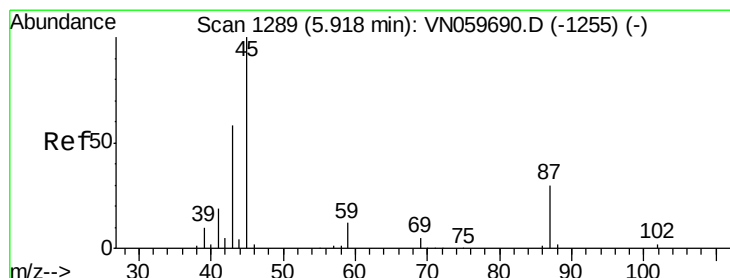
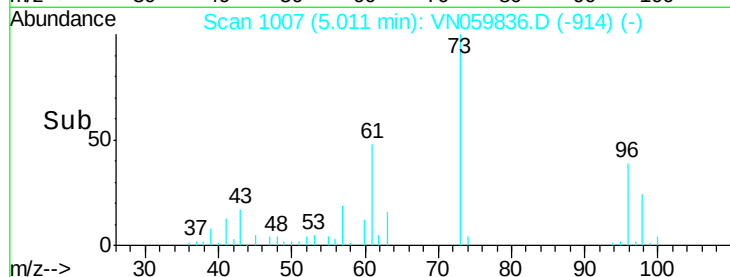
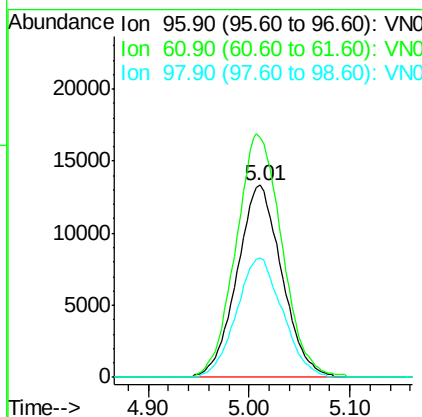
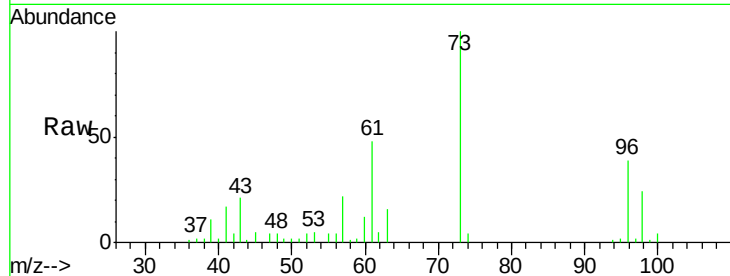
#21
trans-1,2-Dichloroethene
Concen: 20.240 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.1	120.4	180.6
98	62.2	50.6	75.8

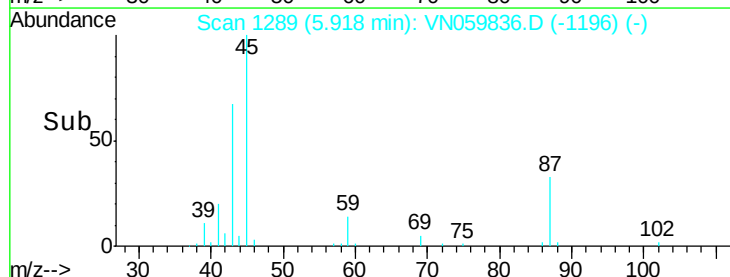
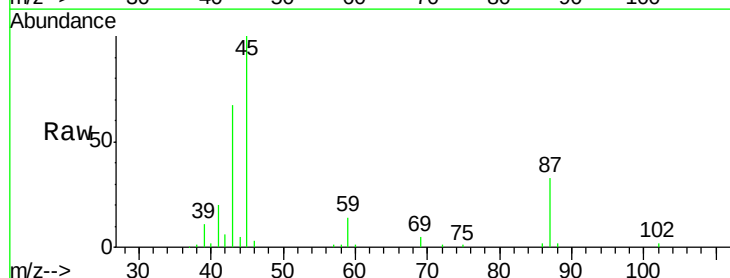
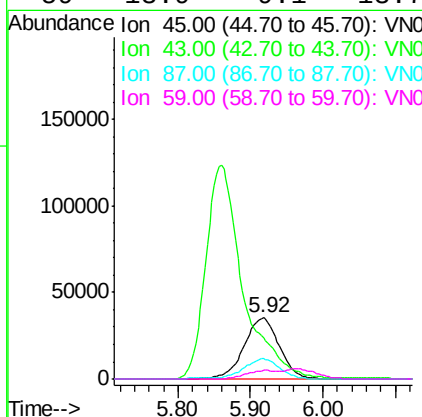
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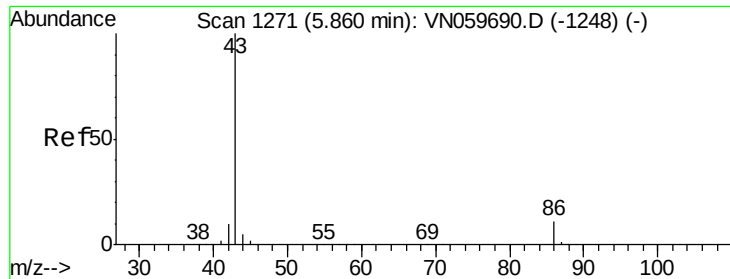
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#22
Diisopropyl ether
Concen: 20.523 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	50.8	76.2
87	33.4	21.0	31.6#
59	13.9	9.1	13.7#





#23

Vinyl Acetate

Concen: 97.218 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

Tot Ion: 43 Resp: 438906

Ion Ratio Lower Upper

43 100

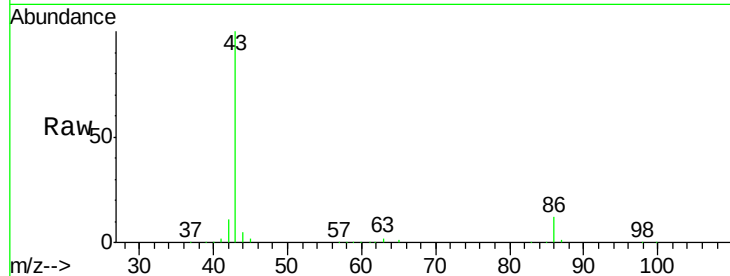
86 11.9 7.6 11.4#

Manual Integrations

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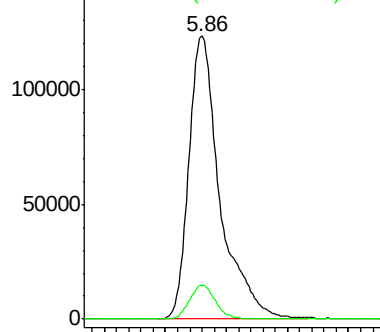
MMDadoda

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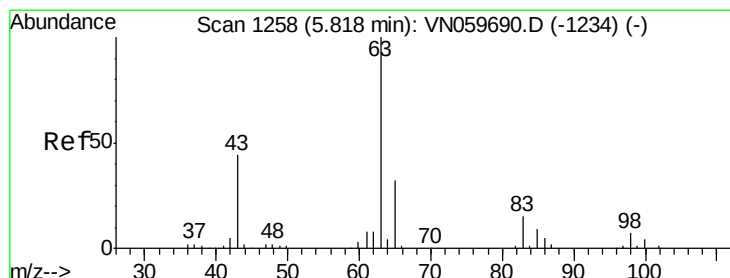
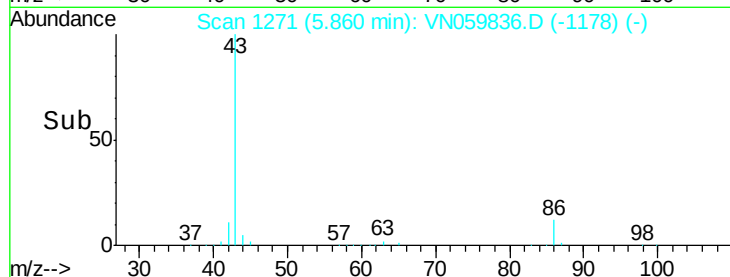


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.619 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

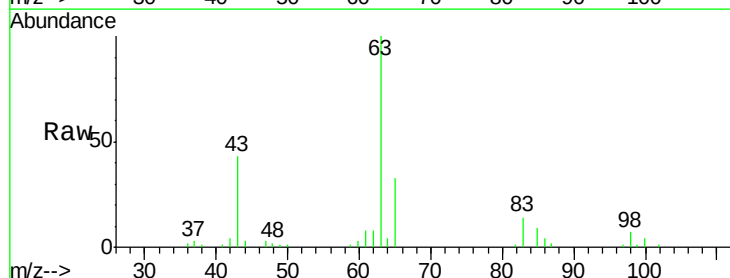
Tgt Ion: 63 Resp: 73464

Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.7

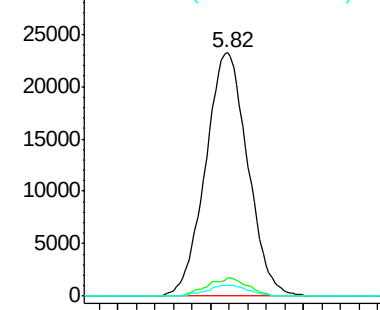
100 4.5 2.0 6.0



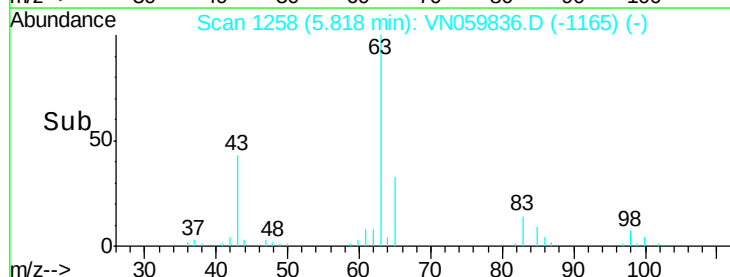
Abundance Ion 62.90 (62.60 to 63.60): VN0

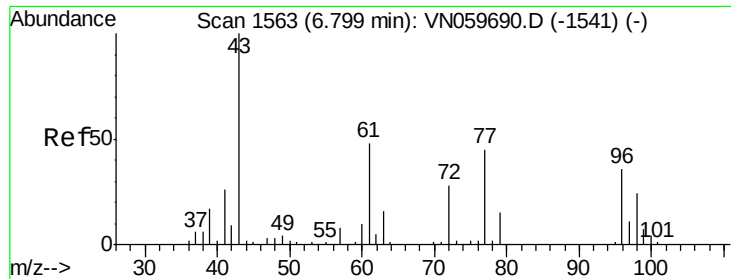
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 102.153 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

Tot Ion: 43 Resp: 134045

Ion Ratio Lower Upper

43 100

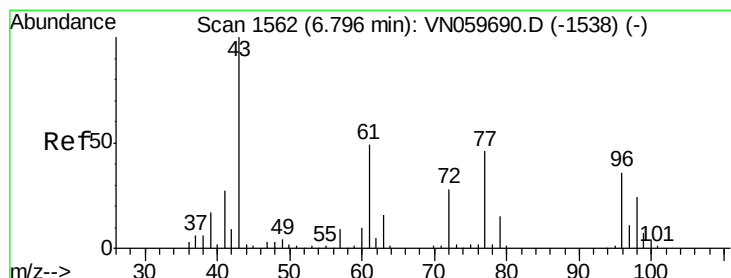
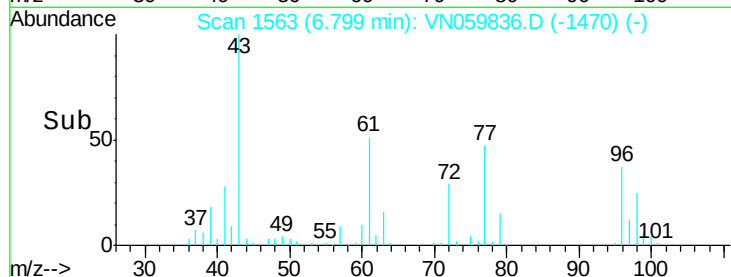
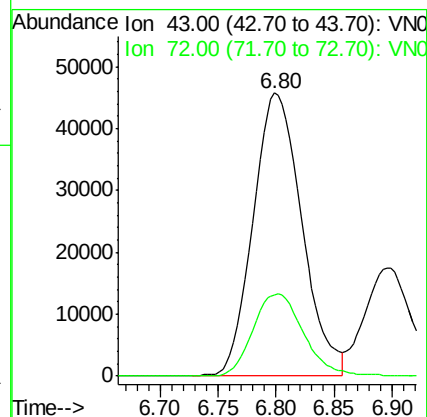
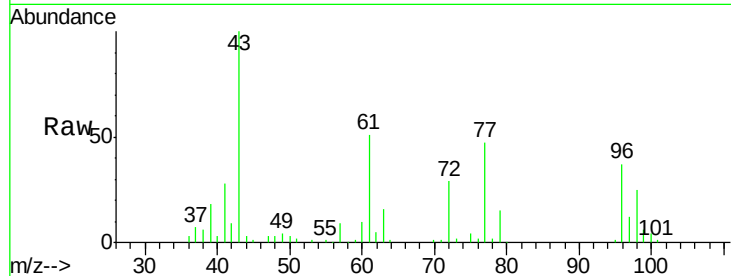
72 28.8 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.513 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059836.D

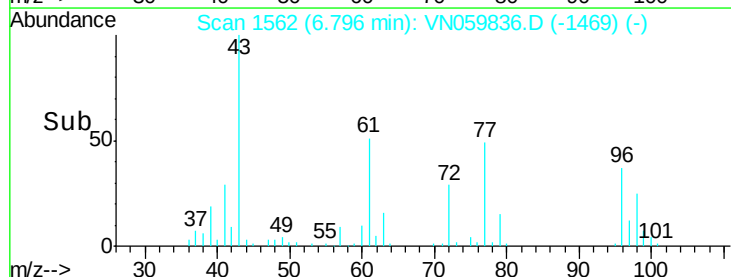
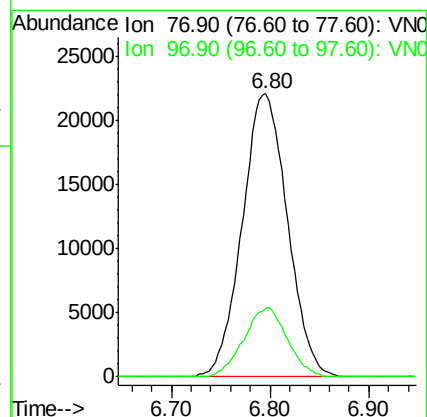
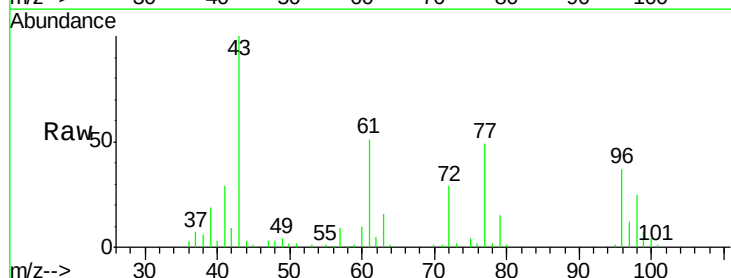
Acq: 24 Jan 2020 11:17

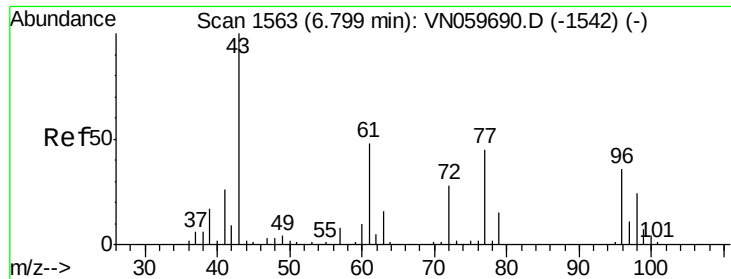
Tgt Ion: 77 Resp: 70263

Ion Ratio Lower Upper

77 100

97 23.5 10.7 31.9





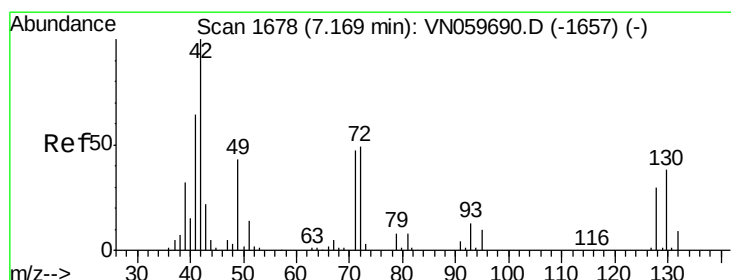
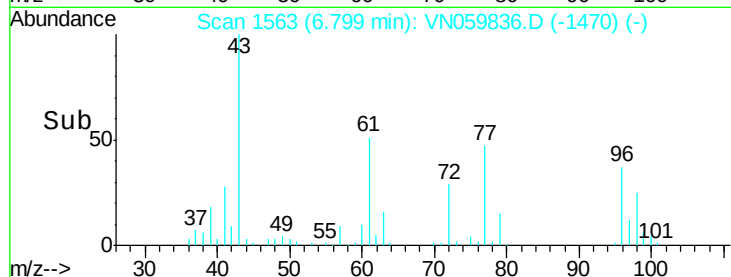
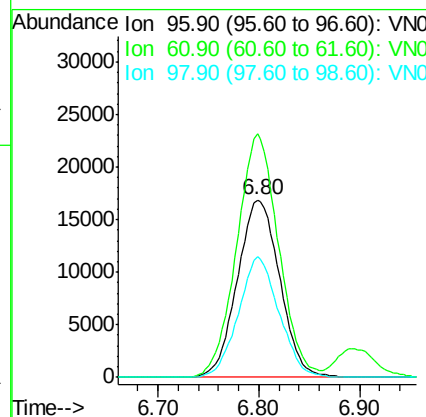
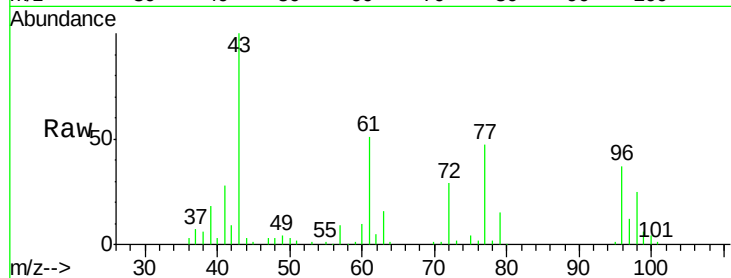
#27
 cis-1,2-Dichloroethene
 Concen: 21.069 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0124WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	317.6
98	65.0	0.0	127.0

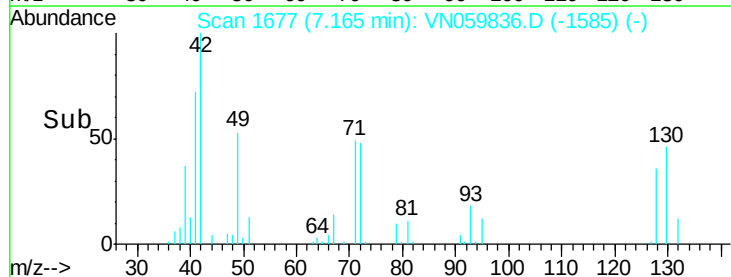
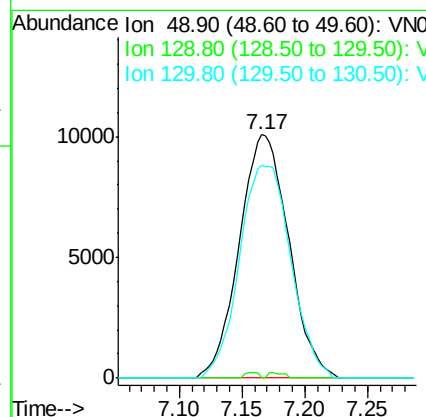
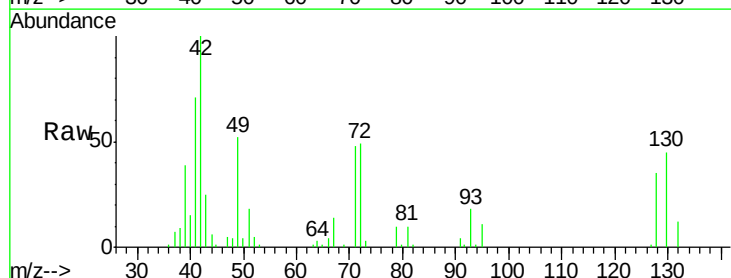
Manual Integrations
 APPROVED

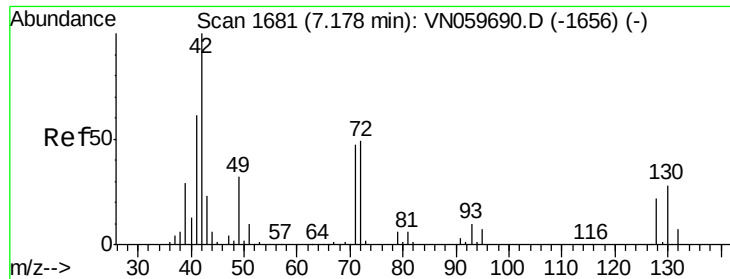
MMDadoda
 1/27/2020 11:15:32 AM



#28
 Bromochloromethane
 Concen: 19.428 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	90.7	54.7	82.1#





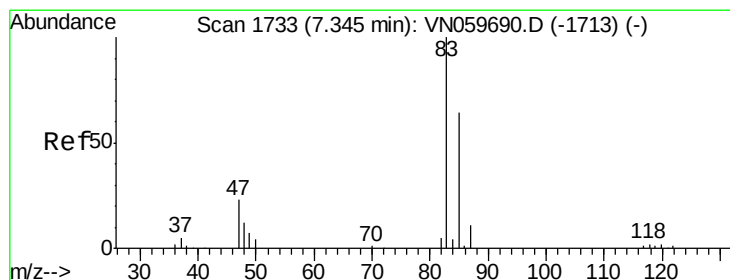
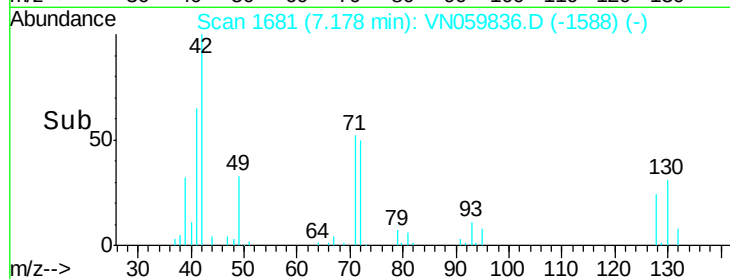
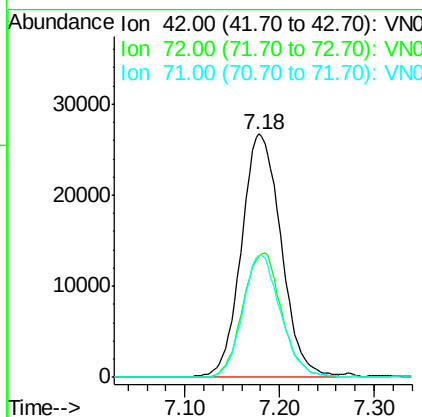
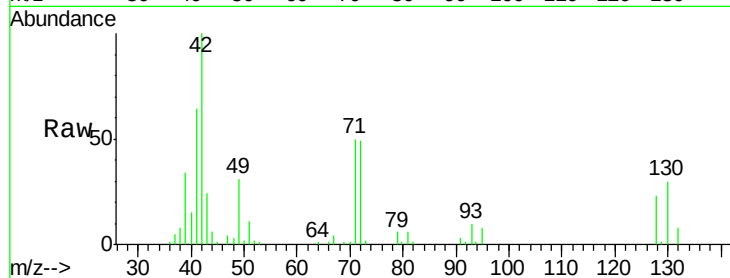
#29
Tetrahydrofuran
Concen: 96.167 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	33.1	49.7#
71	47.9	31.4	47.0#

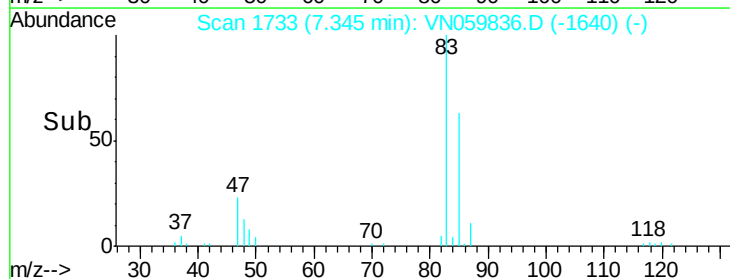
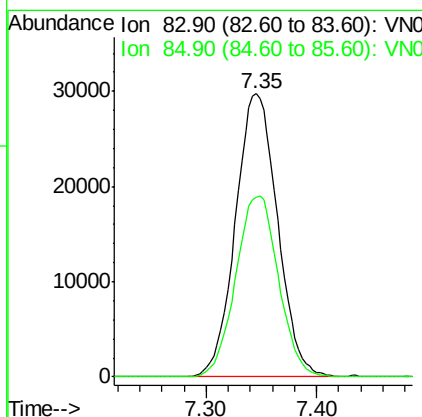
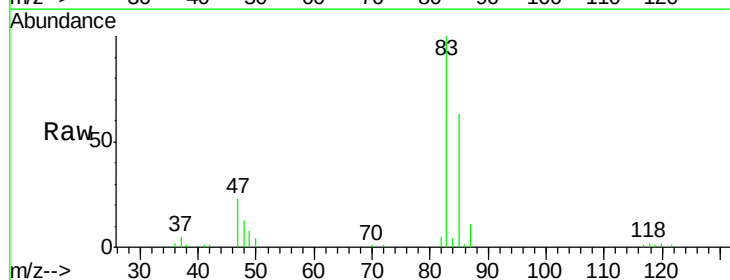
Manual Integrations
APPROVED

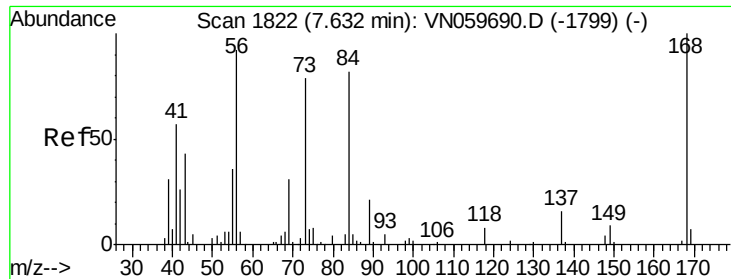
MMDadoda
1/27/2020 11:15:32 AM



#30
Chloroform
Concen: 21.276 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.4	78.6





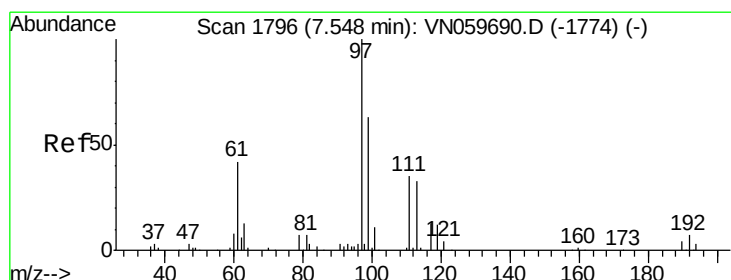
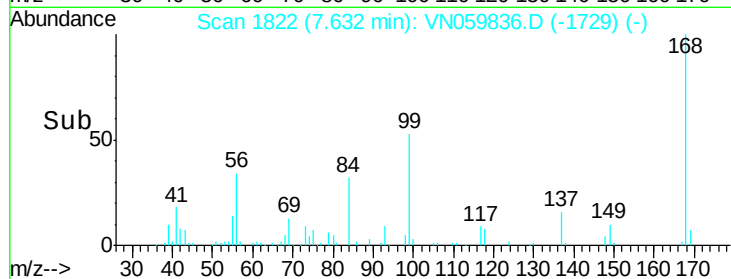
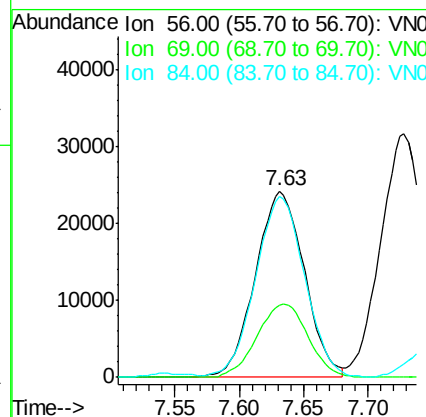
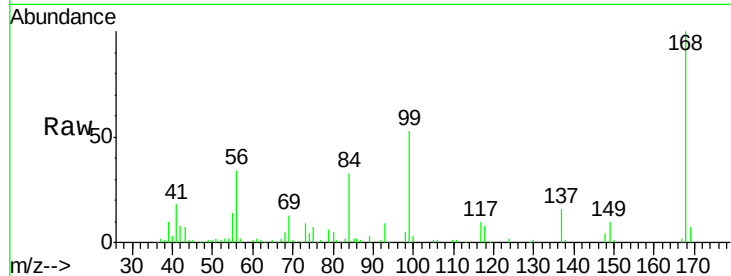
#31
Cyclohexane
Concen: 18.719 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	26.5	39.7
84	95.4	65.3	97.9

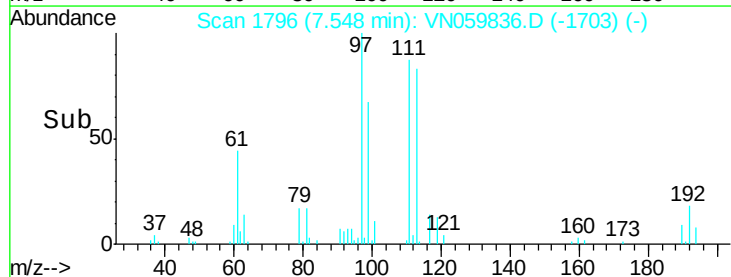
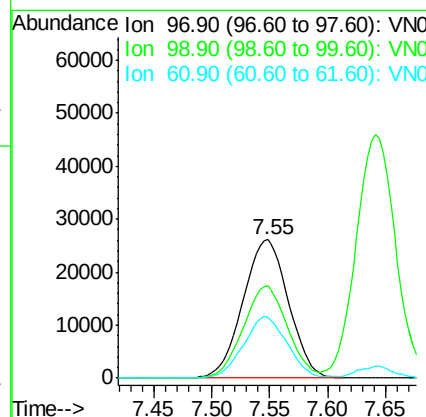
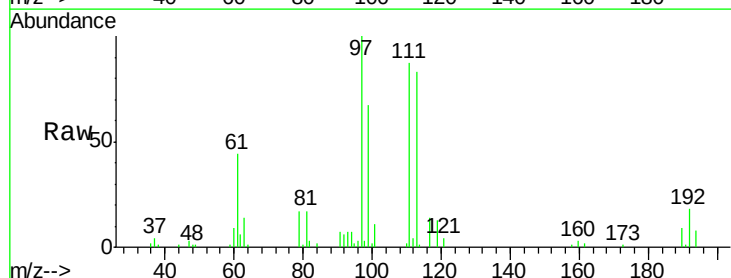
Manual Integrations
APPROVED

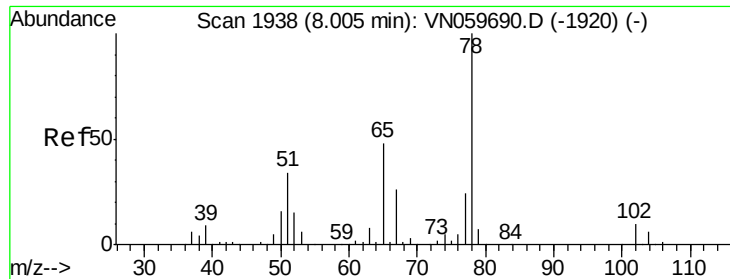
MMDadoda
1/27/2020 11:15:32 AM



#32
1,1,1-Trichloroethane
Concen: 20.862 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.4
61	42.6	38.5	57.7





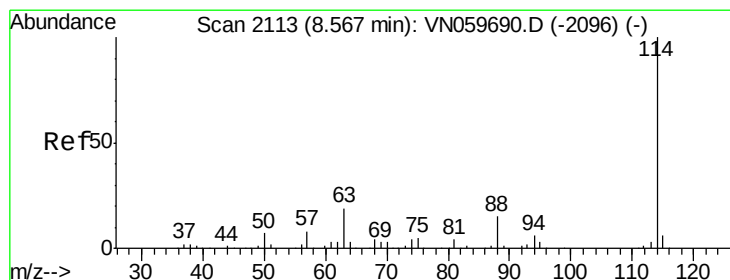
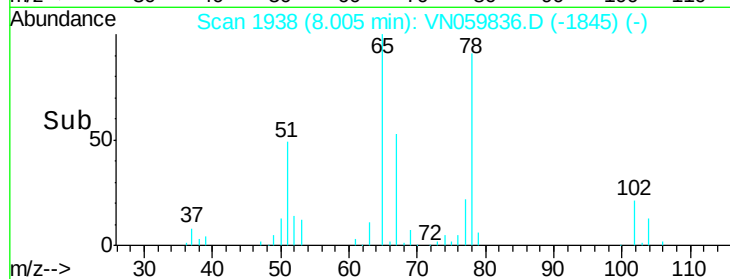
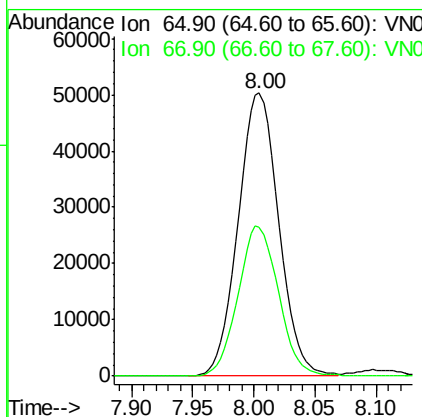
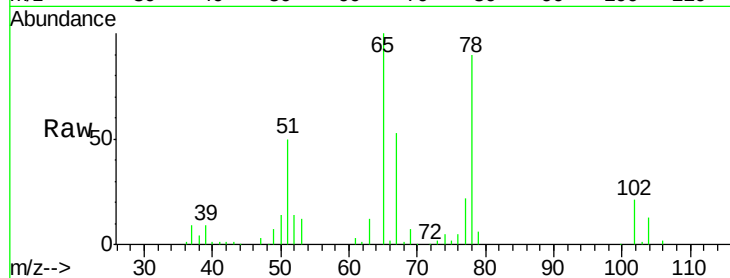
#33
 1,2-Dichloroethane-d4
 Concen: 49.981 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	103.0	

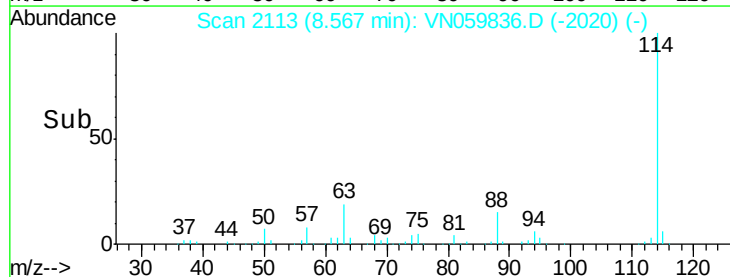
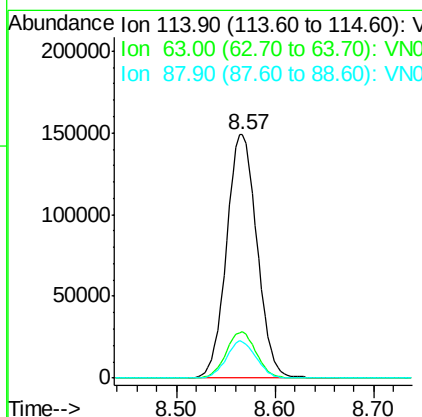
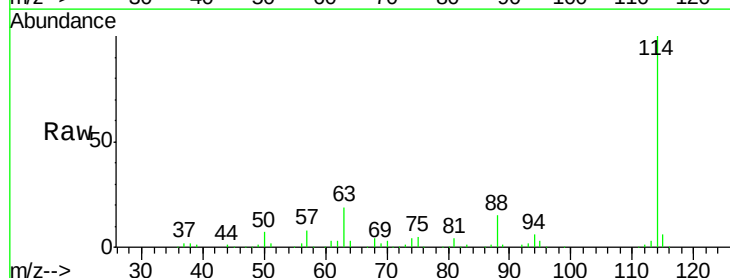
Manual Integrations
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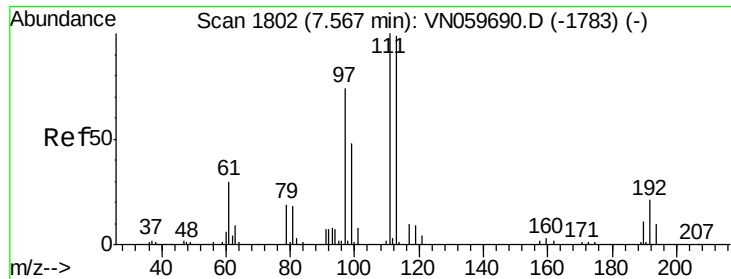
MMDadoda
 1/27/2020 11:15:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	43.6	
88	15.0	0.0	31.4	





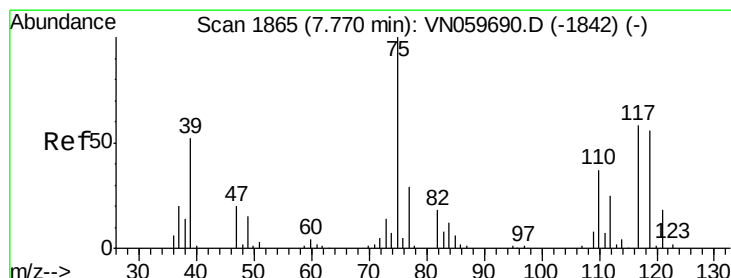
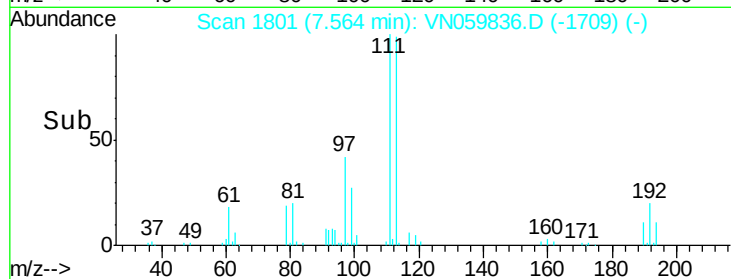
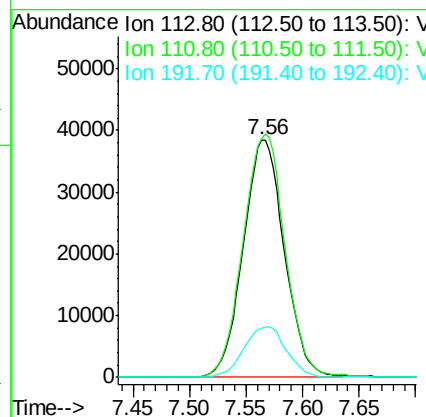
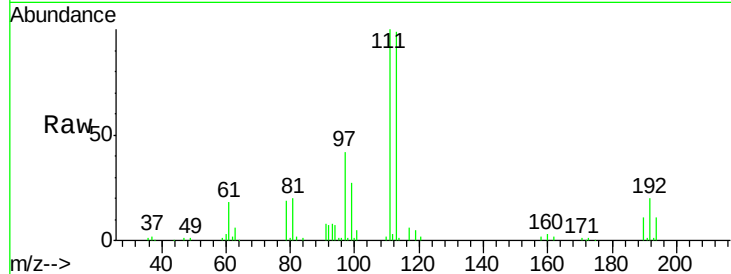
#35
 Dibromofluoromethane
 Concen: 50.948 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0124WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.5	125.3
192	21.8	15.4	23.2

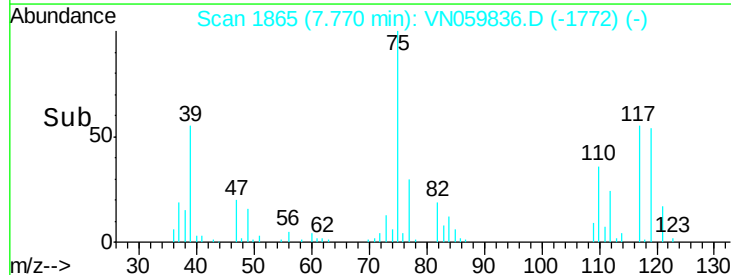
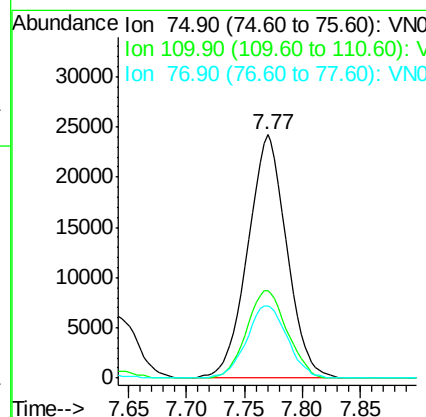
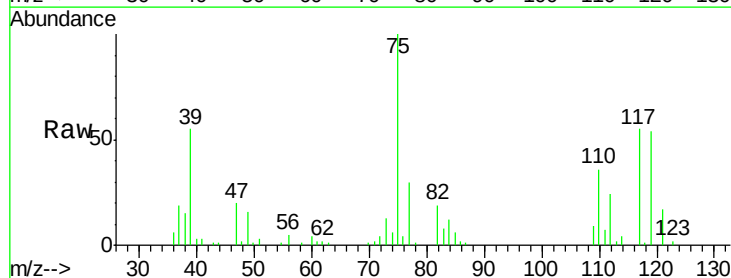
Manual Integrations
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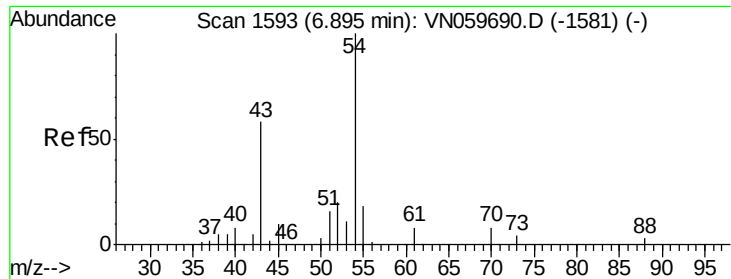
MMDadoda
 1/27/2020 11:15:32 AM



#36
 1,1-Dichloropropene
 Concen: 20.359 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	16.6	49.7
77	31.1	25.1	37.7





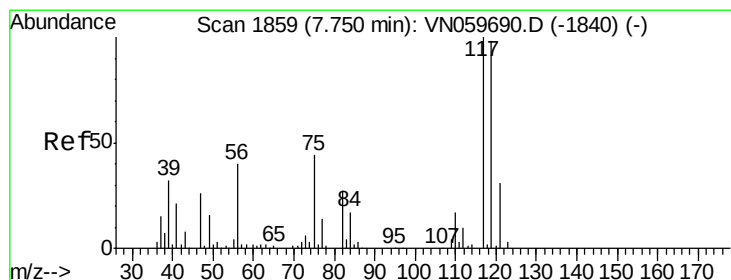
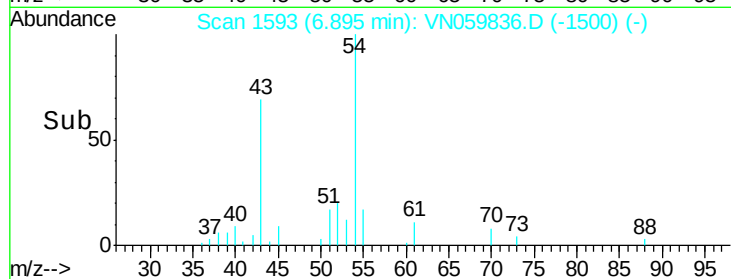
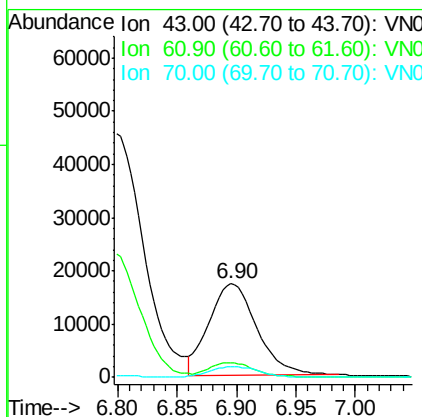
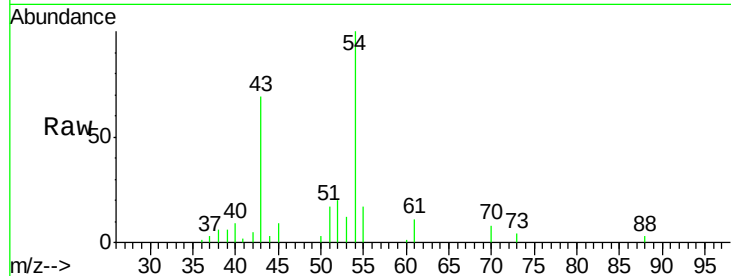
#37
Ethyl Acetate
Concen: 18.616 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	10.9	16.3
70	12.0	7.7	11.5

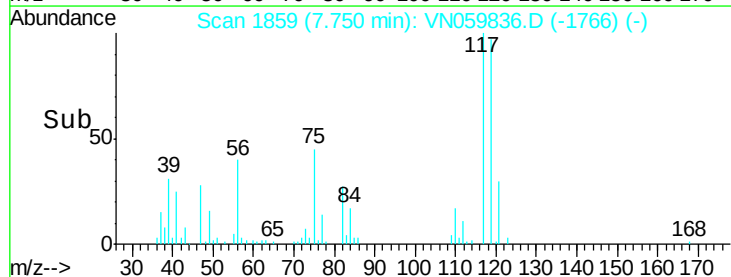
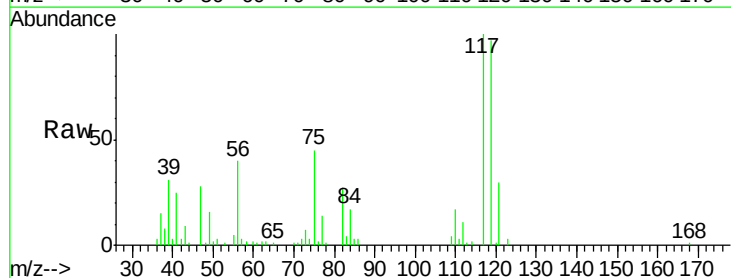
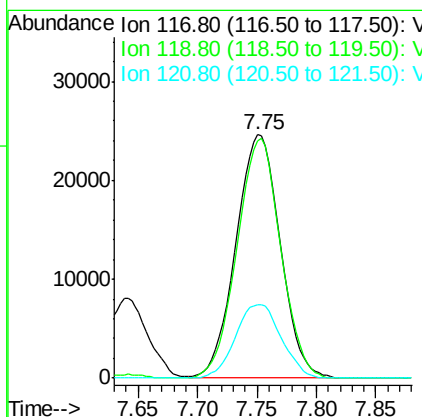
Manual Integrations
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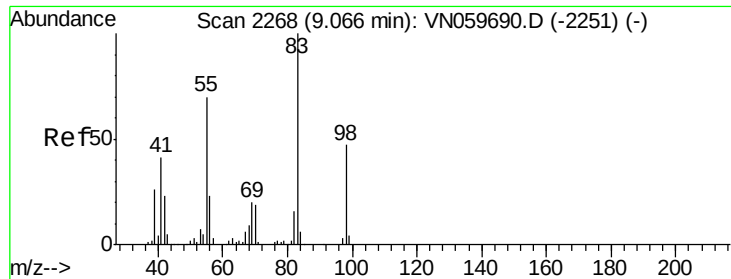
MMDadoda
1/27/2020 11:15:32 AM



#38
Carbon Tetrachloride
Concen: 21.003 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.5	114.7
121	30.2	25.1	37.7





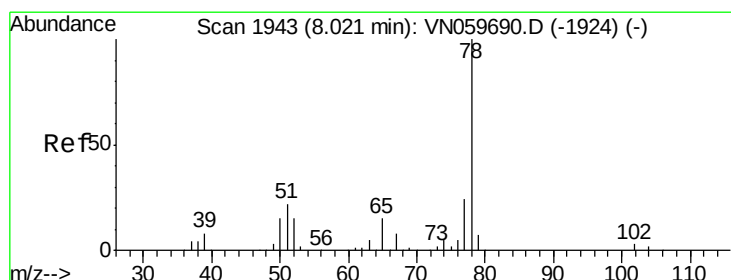
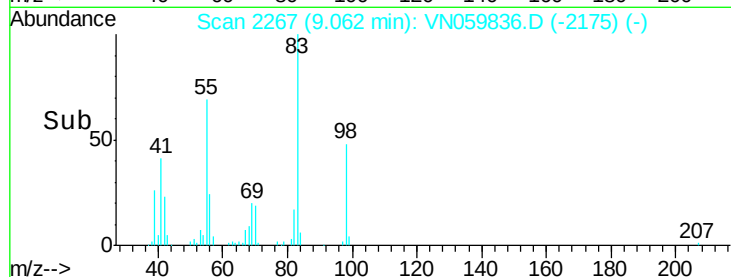
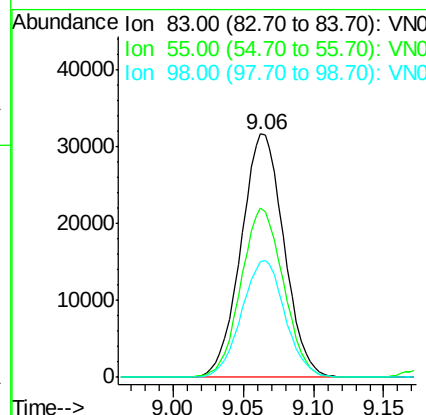
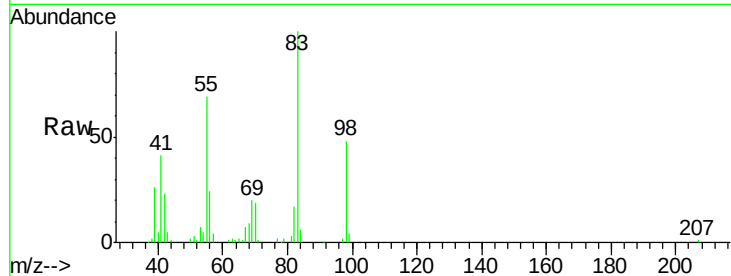
#39
Methylvlcyclohexane
Concen: 19.700 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

Tot Ion	83	Resp	67568
Ion Ratio	100	Lower	Upper
83	100		
55	69.3	64.2	96.2
98	47.6	35.9	53.9

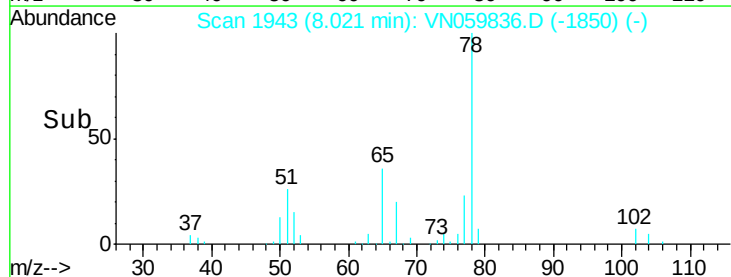
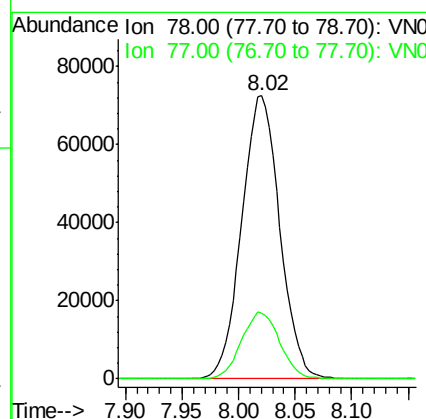
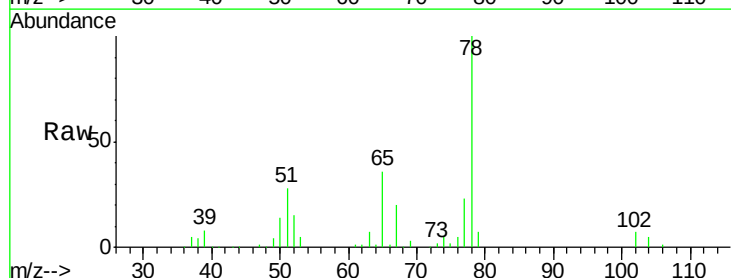
Manual Integrations
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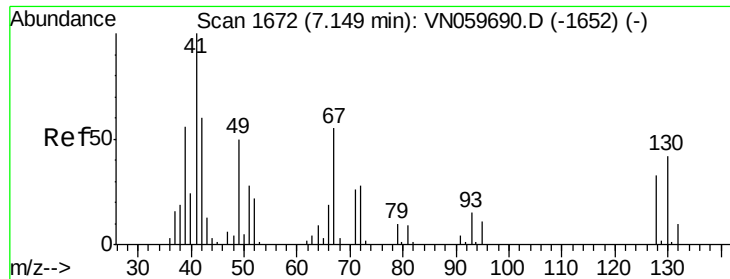
MMDadoda
1/27/2020 11:15:32 AM



#40
Benzene
Concen: 20.501 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	78	Resp	170070
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.9	28.3





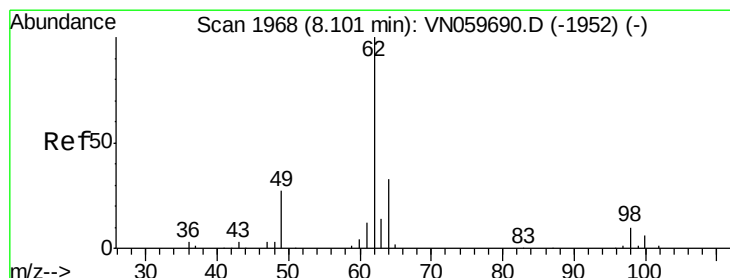
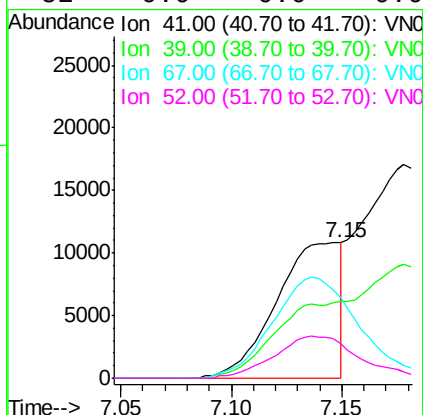
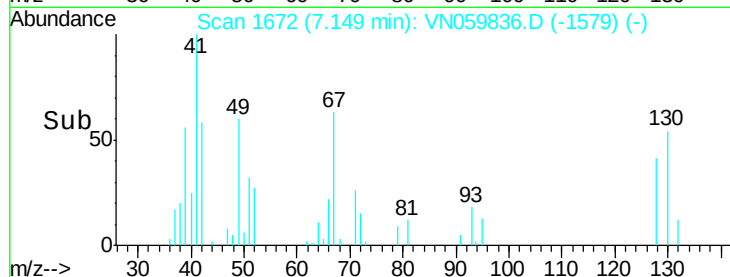
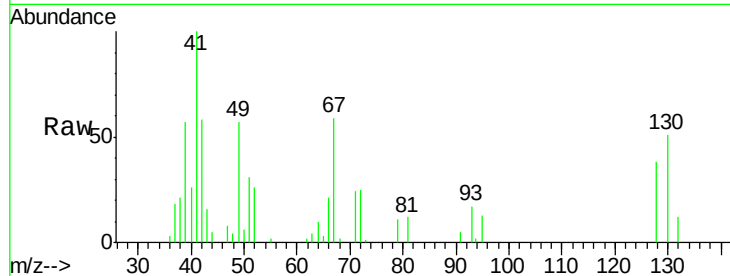
#41
Methacrylonitrile
Concen: 17.019 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion	41	Resp	21870
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

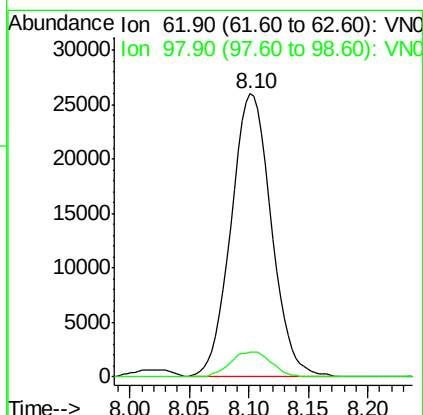
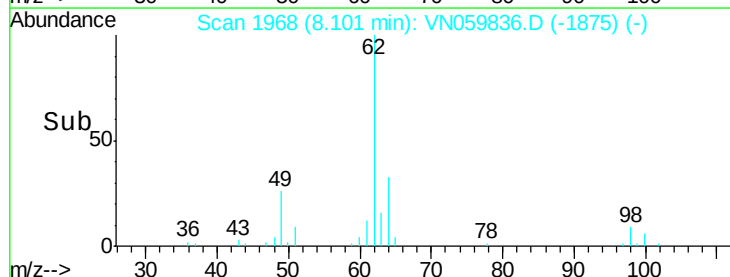
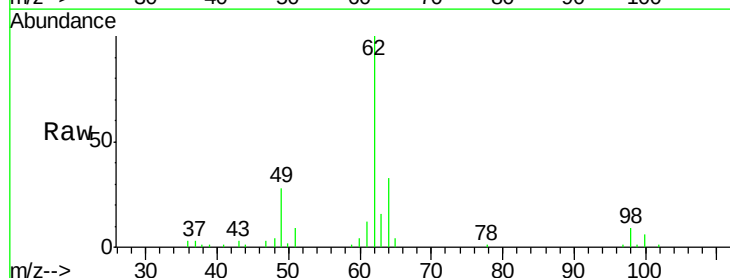
Manual Integrations
APPROVED

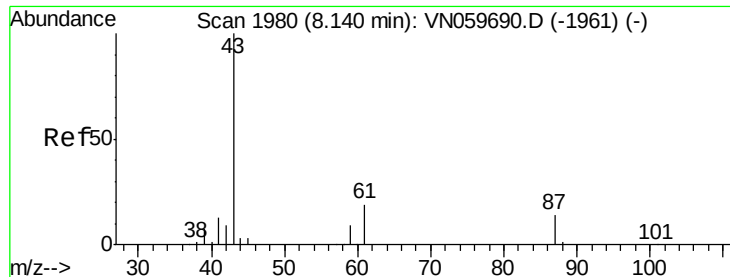
MMDadoda
1/27/2020 11:15:32 AM



#42
1,2-Dichloroethane
Concen: 21.694 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	62	Resp	61021
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	15.8





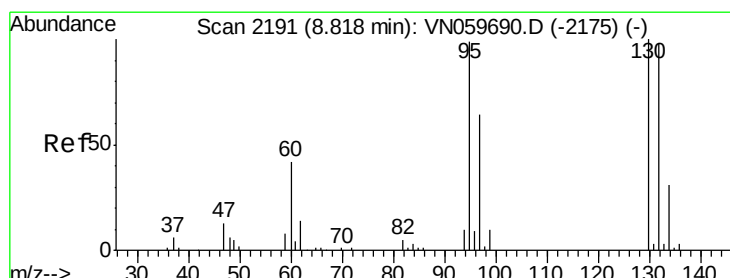
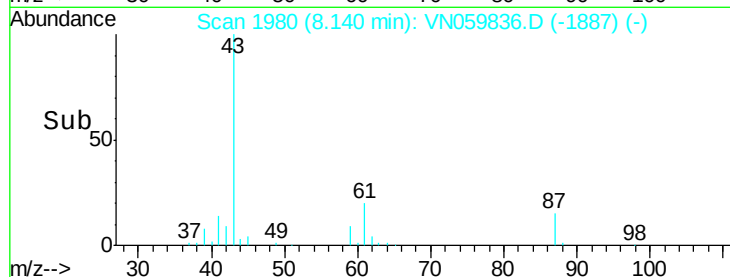
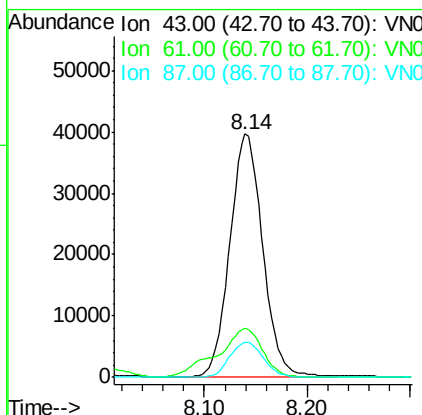
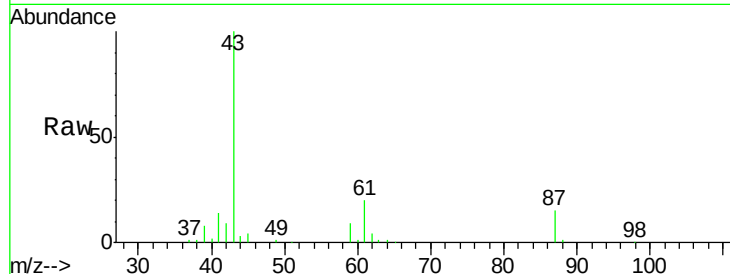
#43
Isopropyl Acetate
Concen: 19.742 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	20.2	30.2
87	14.7	9.5	14.3

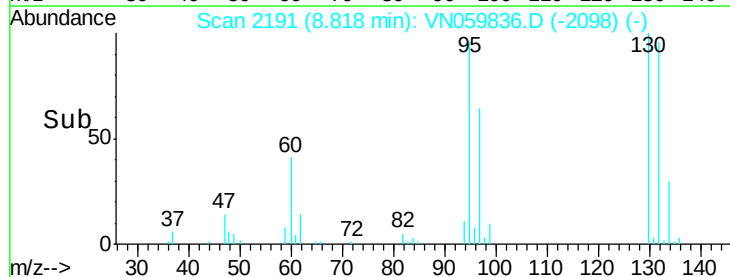
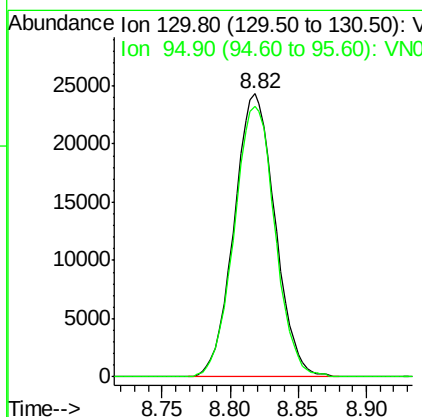
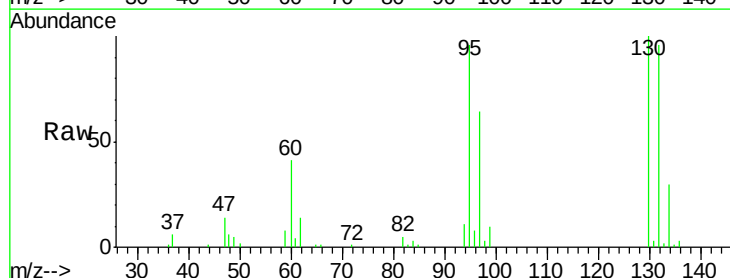
Manual Integrations
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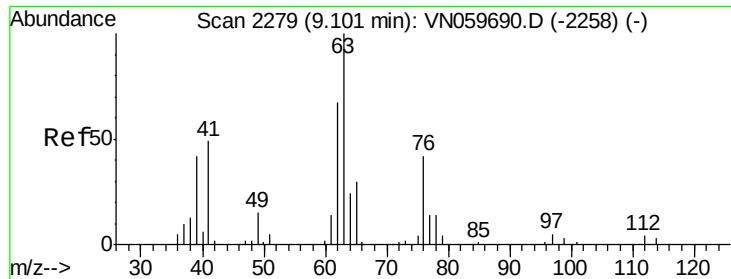
MMDadoda
1/27/2020 11:15:32 AM



#44
Trichloroethene
Concen: 22.392 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	207.0





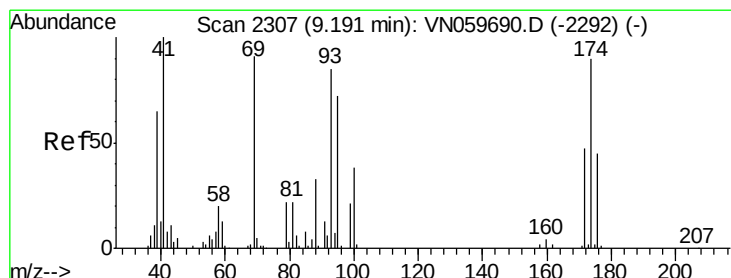
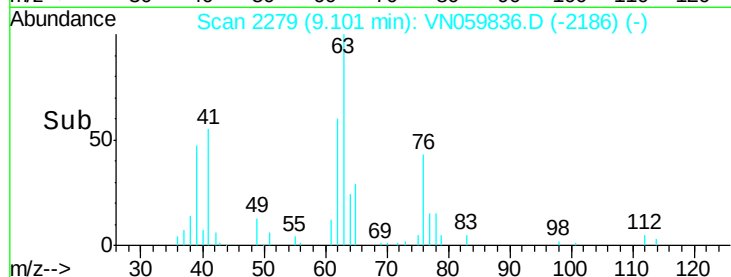
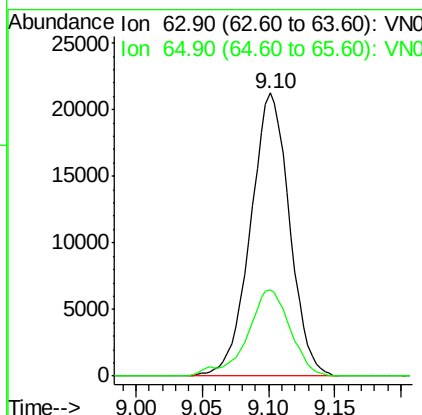
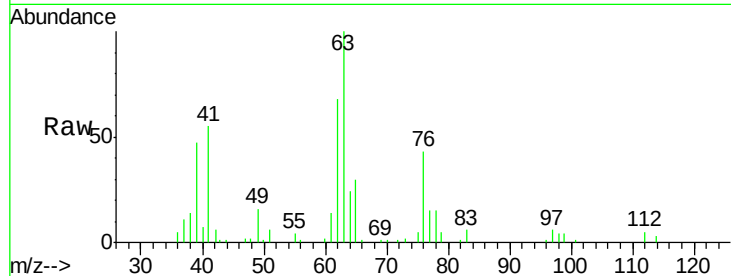
#45
 1,2-Dichloropropane
 Concen: 21.257 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

Tot Ion: 63 Resp: 43637
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.9 37.3

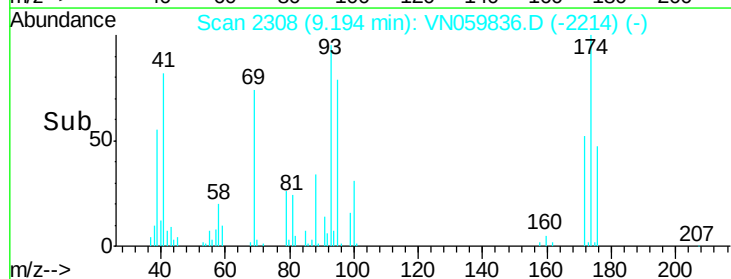
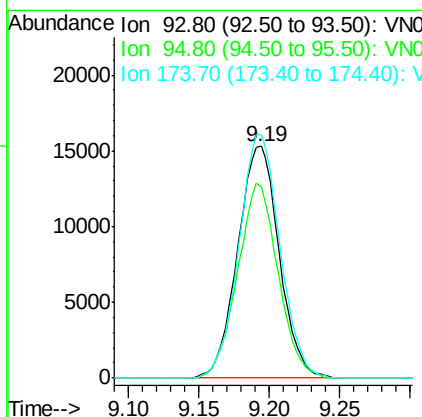
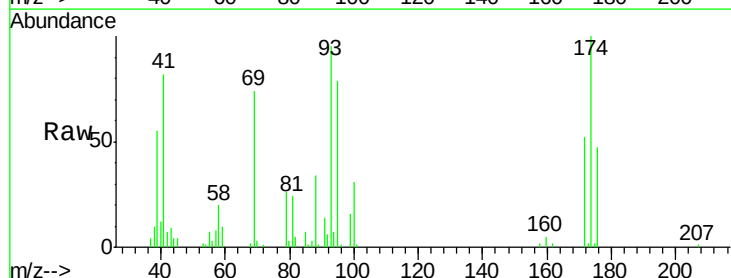
Manual Integrations
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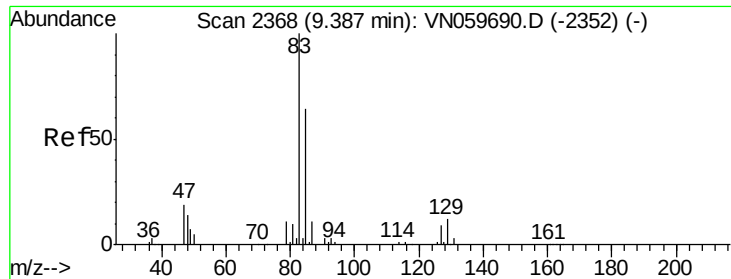
MMDadoda
 1/27/2020 11:15:32 AM



#46
 Dibromomethane
 Concen: 21.796 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion: 93 Resp: 31563
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.0 100.6
 174 103.6 73.4 110.2





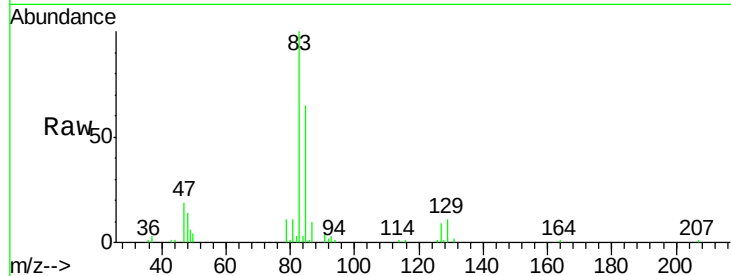
#47
Bromodichloromethane
Concen: 21.363 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

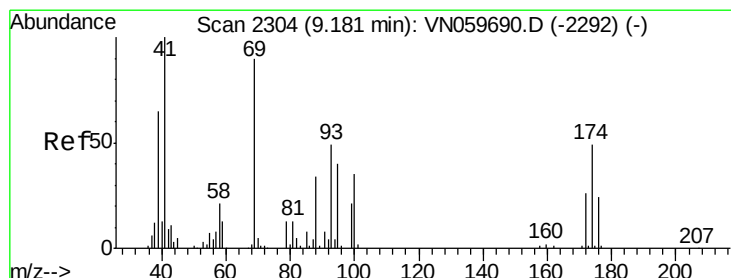
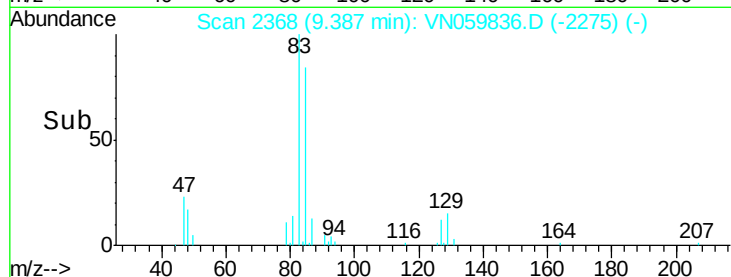
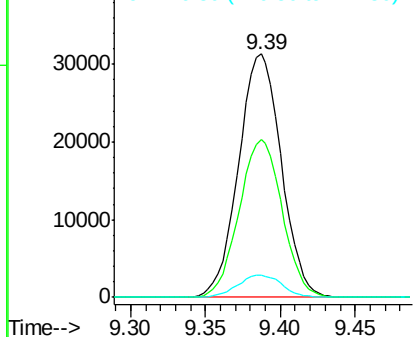
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	8.9	6.6	9.8

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1/27/2020 11:15:32 AM



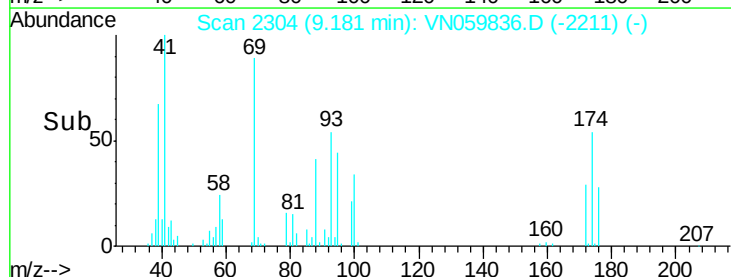
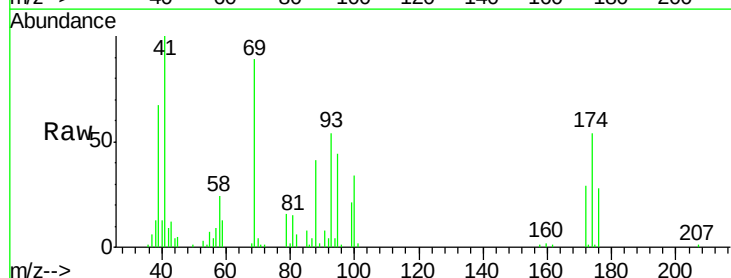
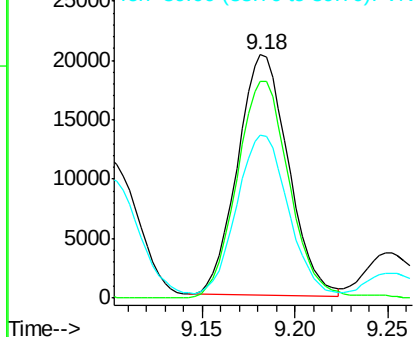
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

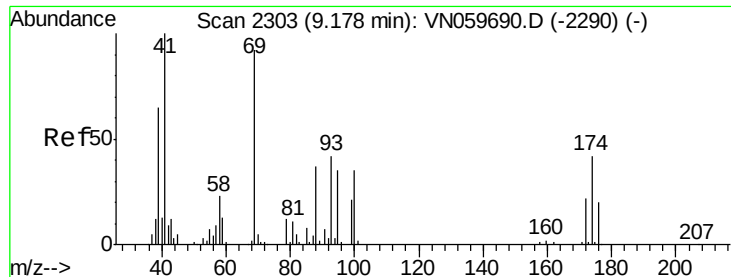


#48
Methyl methacrylate
Concen: 19.075 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.8	64.4	96.6
39	66.7	51.3	76.9

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





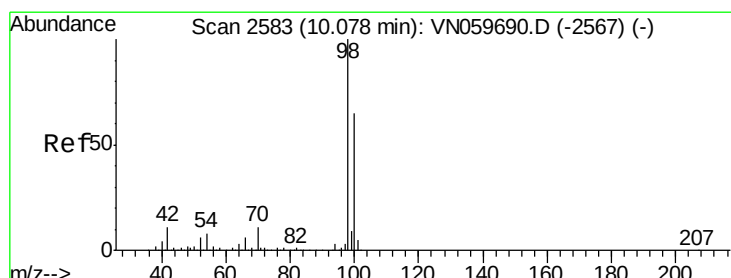
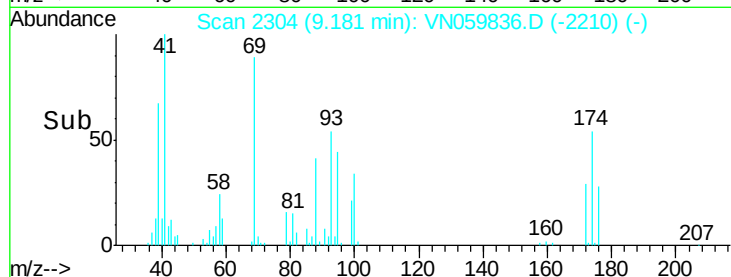
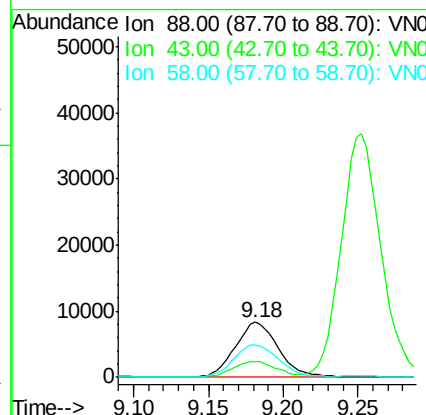
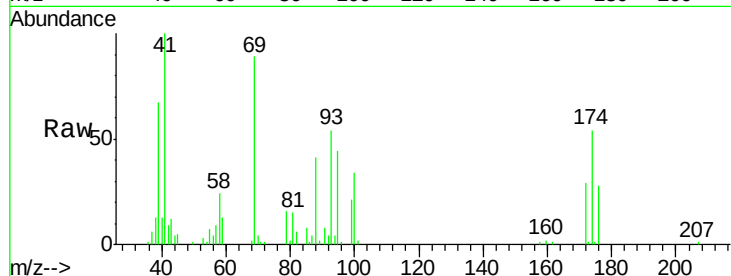
#49
1,4-Dioxane
Concen: 454.451 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	29.7	44.5
58	61.9	56.6	85.0

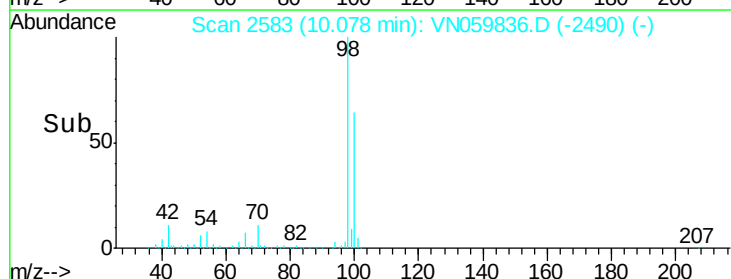
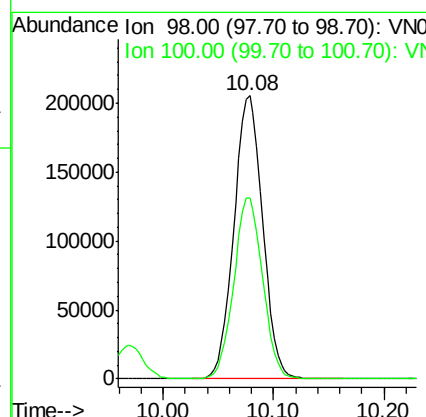
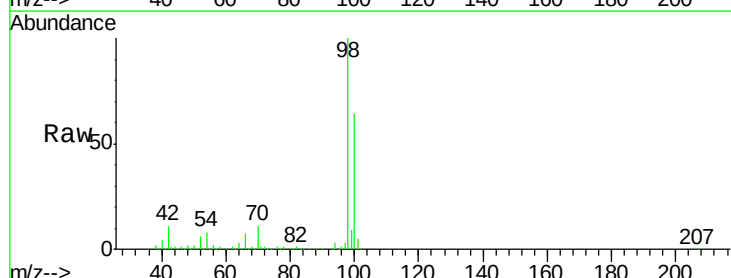
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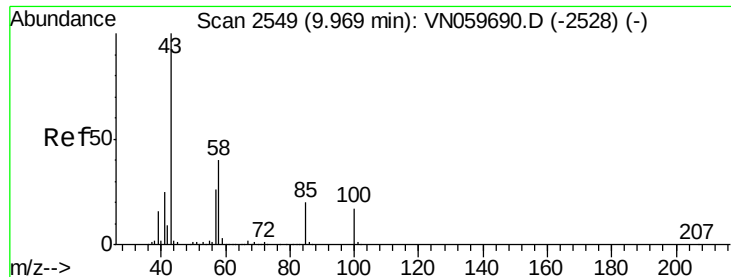
MMDadoda
1/27/2020 11:15:32 AM



#50
Toluene-d8
Concen: 50.246 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 97.590 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

Tot Ion: 43 Resp: 253156

Ion Ratio Lower Upper

43 100

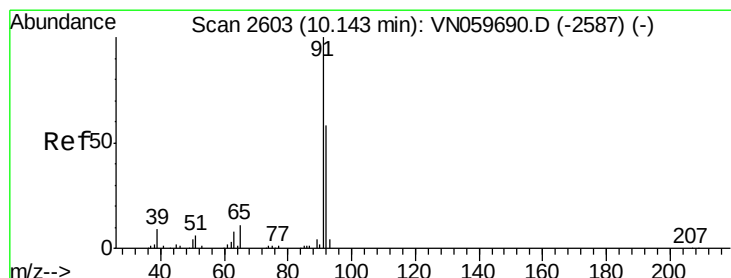
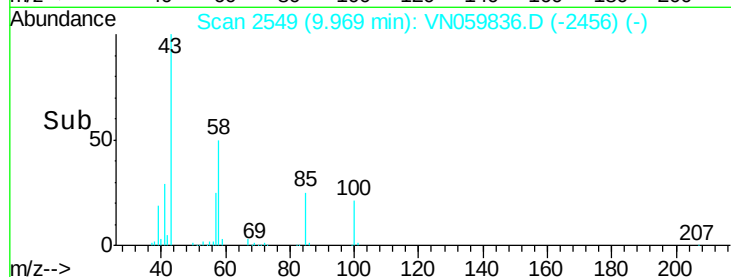
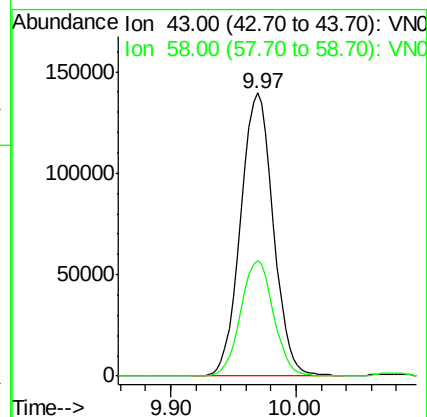
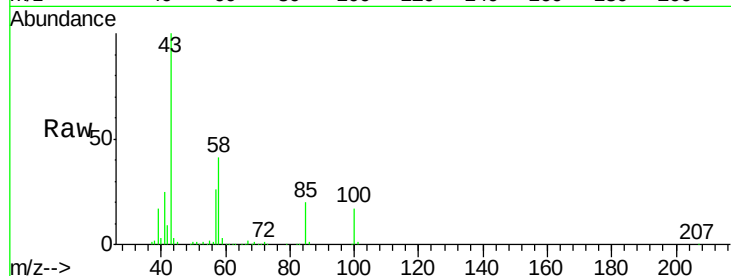
58 40.9 29.8 44.8

Manual Integrations

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1/27/2020 11:15:32 AM



#52

Toluene

Concen: 21.023 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059836.D

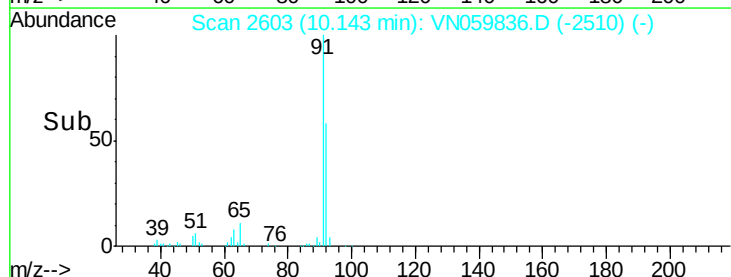
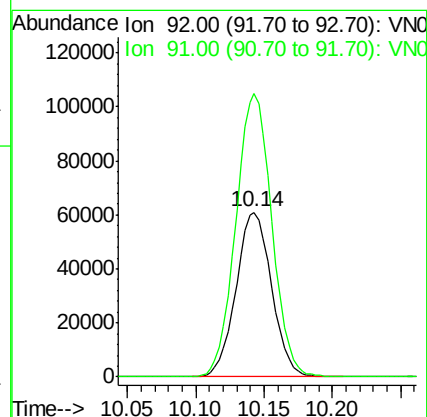
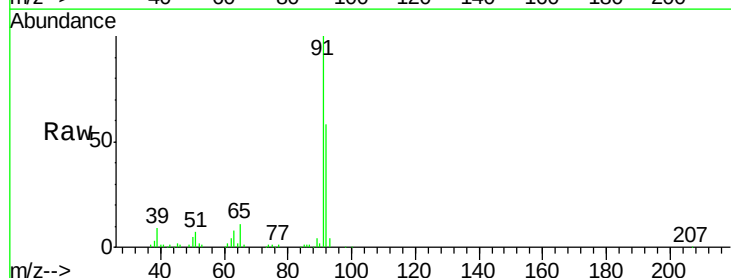
Acq: 24 Jan 2020 11:17

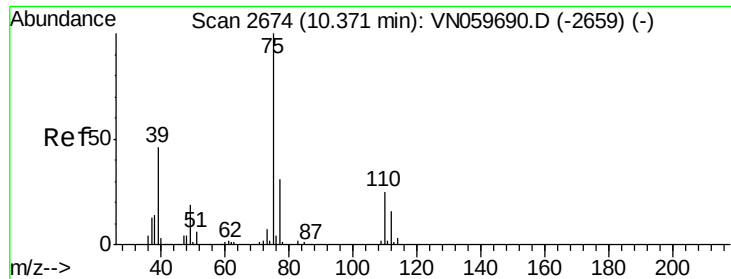
Tgt Ion: 92 Resp: 110161

Ion Ratio Lower Upper

92 100

91 174.1 140.4 210.6





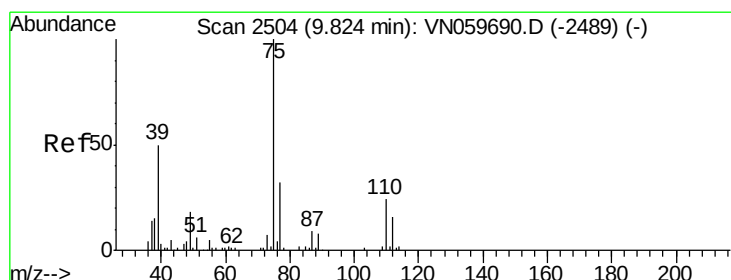
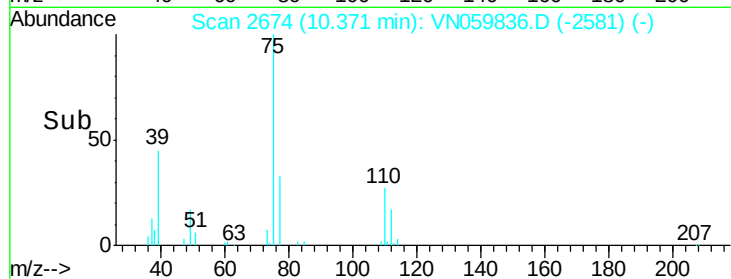
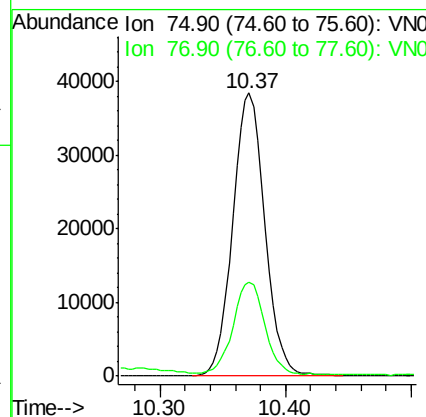
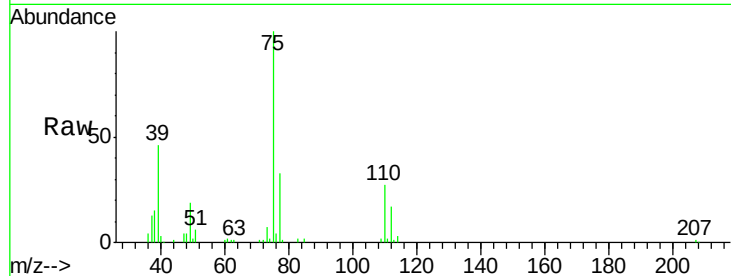
#53
t-1,3-Dichloropropene
Concen: 21.011 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion: 75 Resp: 68461
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2

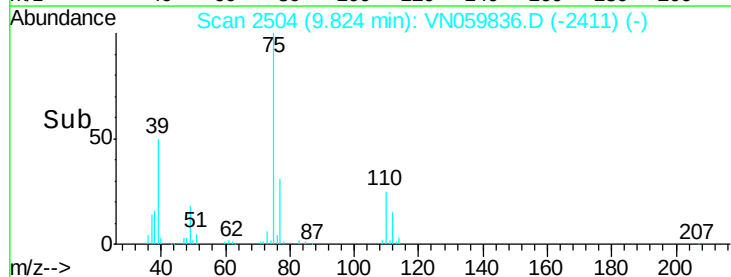
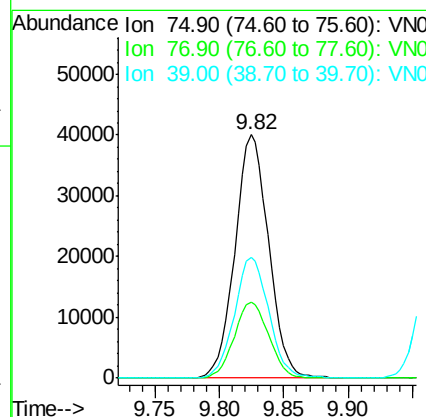
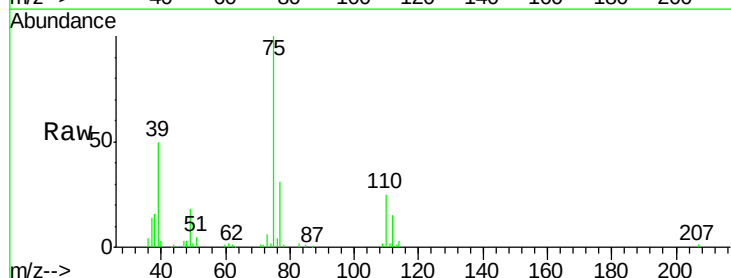
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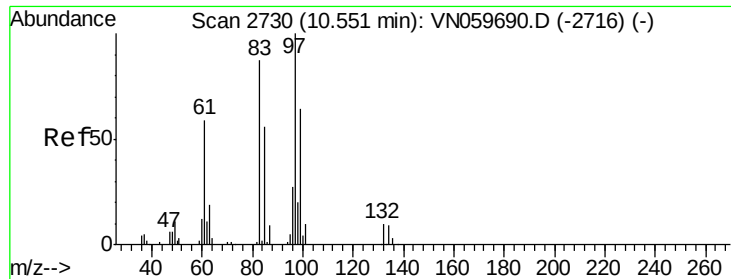
MMDadoda
1/27/2020 11:15:32 AM



#54
cis-1,3-Dichloropropene
Concen: 21.191 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 75 Resp: 72651
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7
39 49.6 46.1 69.1





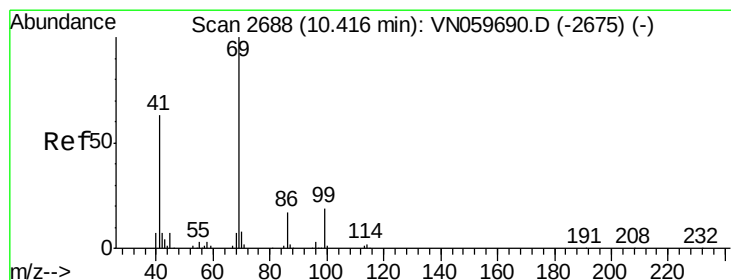
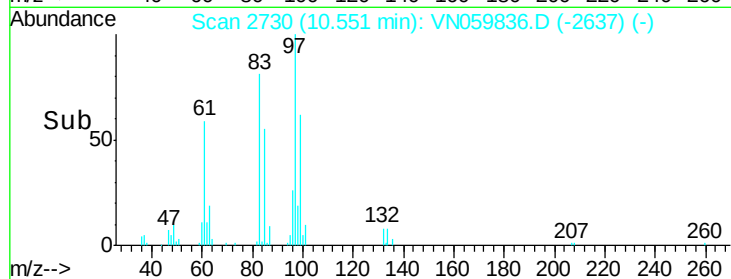
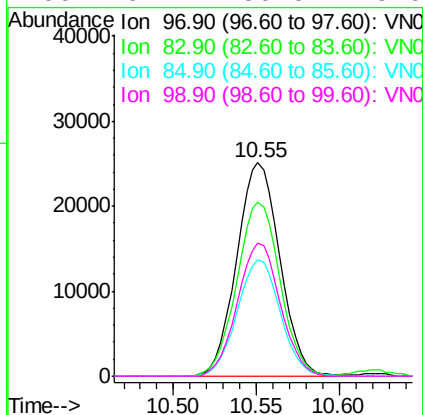
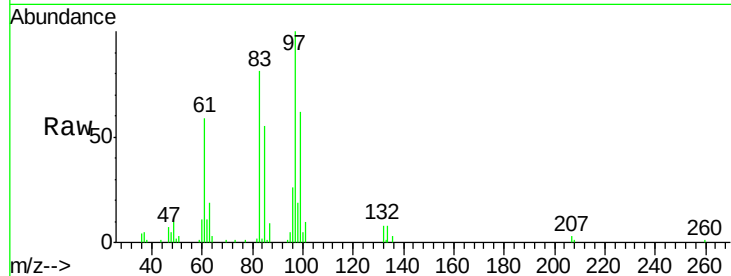
#55
 1,1,2-Trichloroethane
 Concen: 21.927 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.4	71.3	106.9
85	54.6	45.8	68.8
99	62.1	50.0	75.0

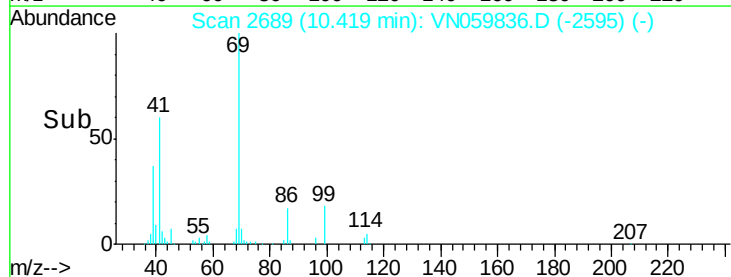
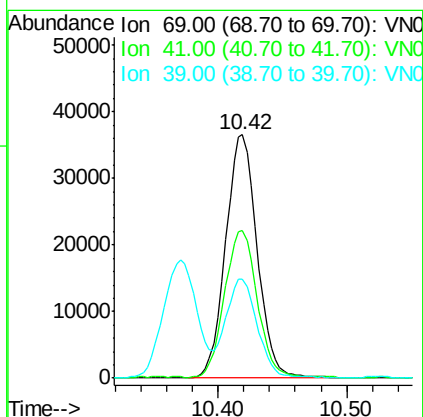
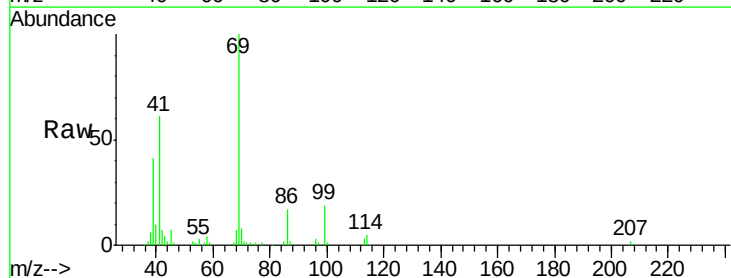
Manual Integrations
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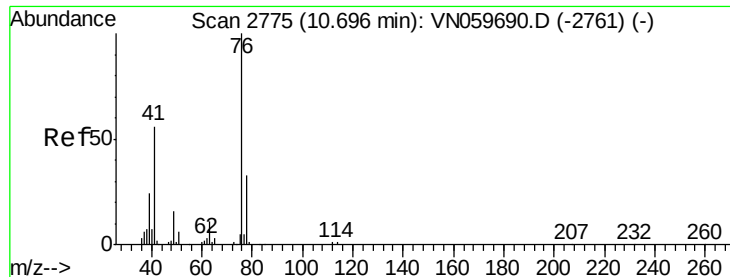
MMDadoda
 1/27/2020 11:15:32 AM



#56
 Ethyl methacrylate
 Concen: 19.517 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.7	57.1	85.7
39	41.1	34.7	52.1





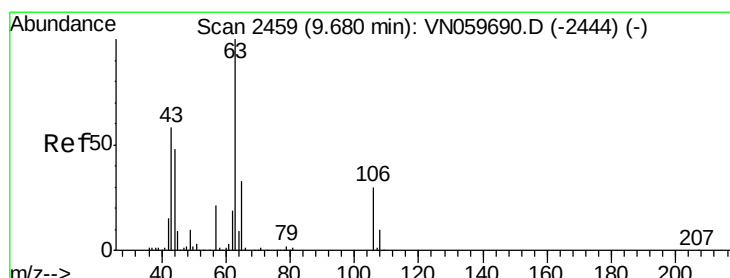
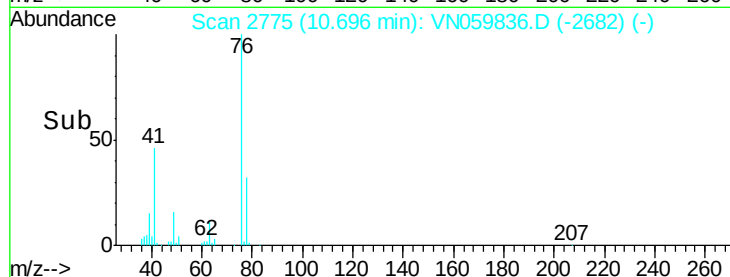
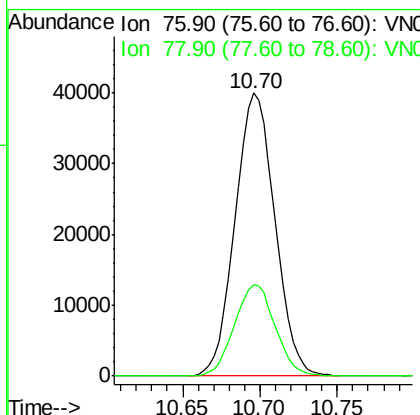
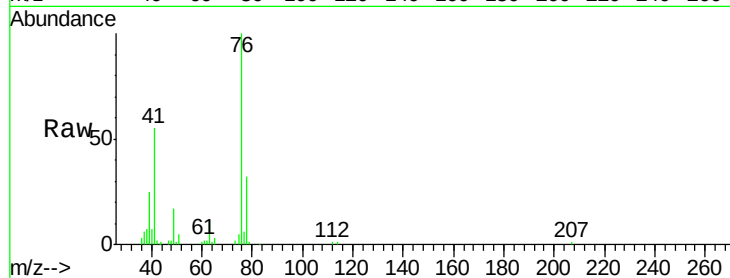
#57
 1,3-Dichloropropane
 Concen: 21.692 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0124WBS01

Tot Ion: 76 Resp: 71473
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8

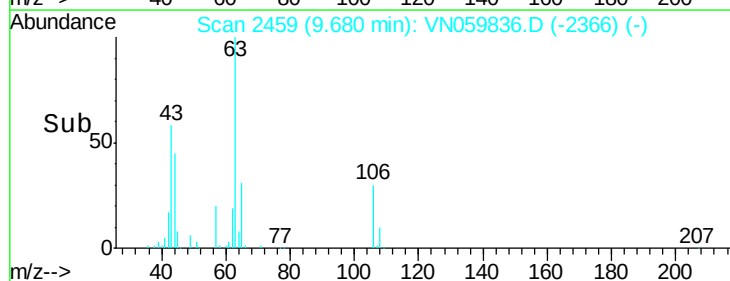
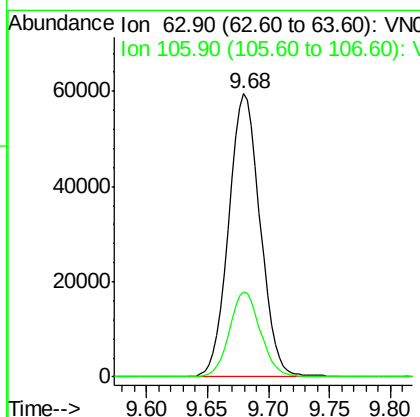
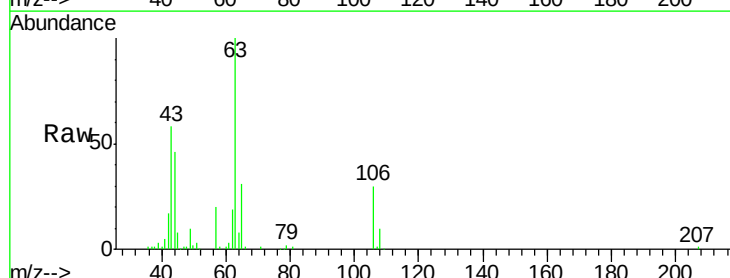
Manual Integrations
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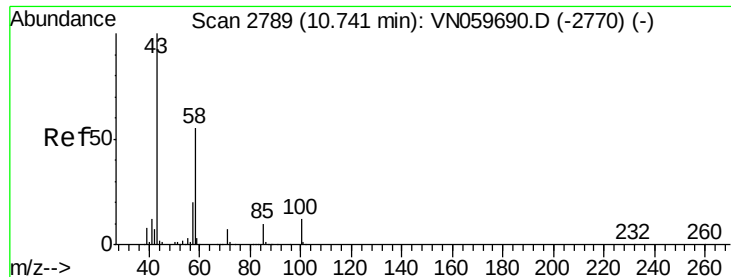
MMDadoda
 1/27/2020 11:15:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.249 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion: 63 Resp: 107217
 Ion Ratio Lower Upper
 63 100
 106 29.4 20.2 30.2





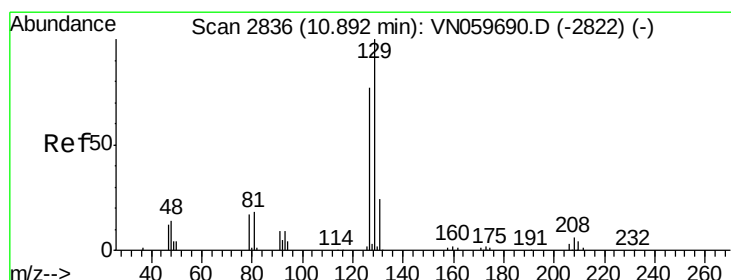
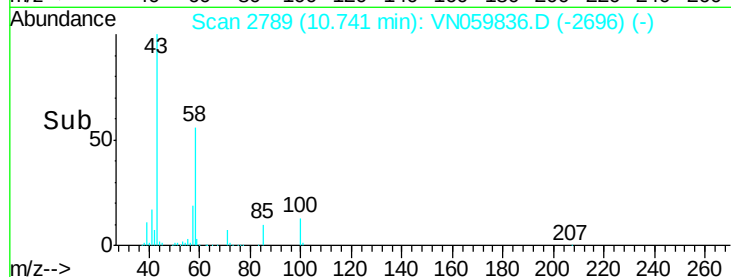
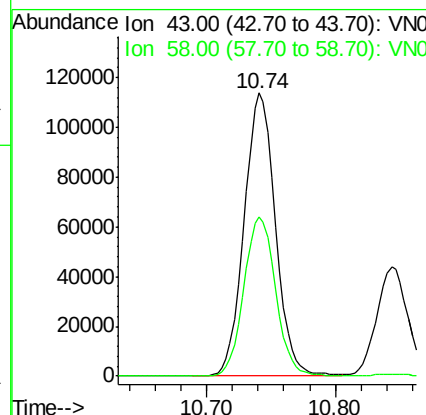
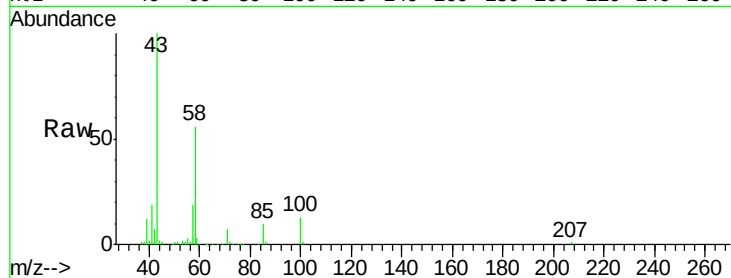
#59
2-Hexanone
Concen: 100.576 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

Tot Ion: 43 Resp: 192208
Ion Ratio Lower Upper
43 100
58 57.0 25.8 77.3

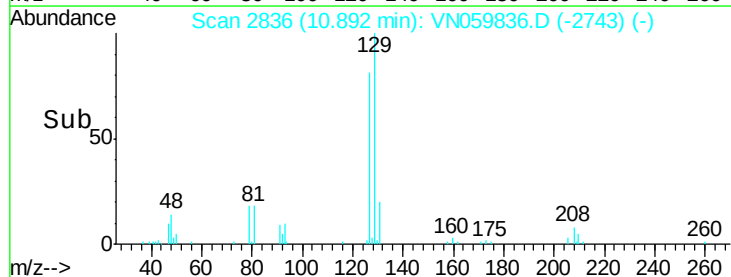
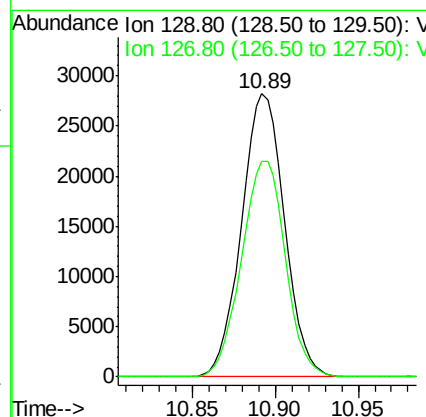
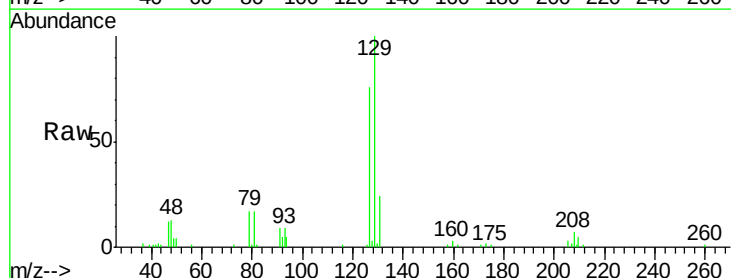
Manual Integrations
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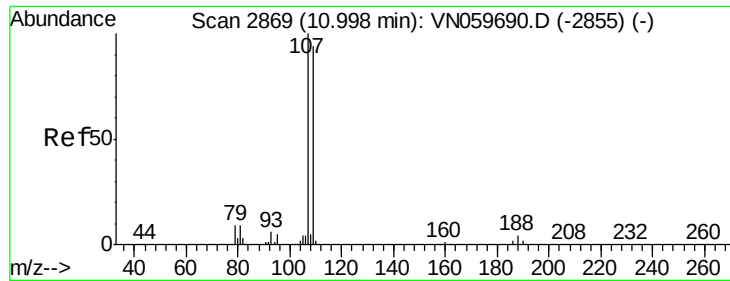
MMDadoda
1/27/2020 11:15:32 AM



#60
Dibromochloromethane
Concen: 21.525 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion: 129 Resp: 50871
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





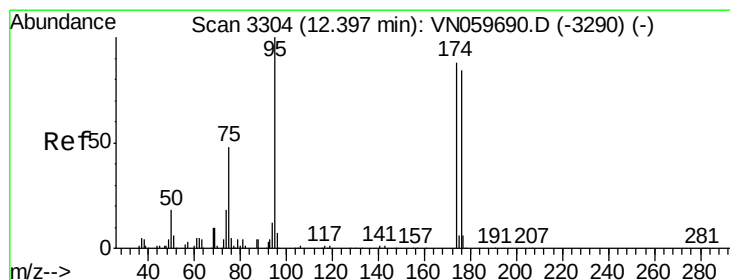
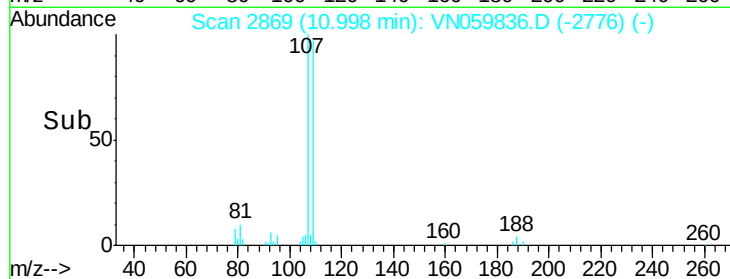
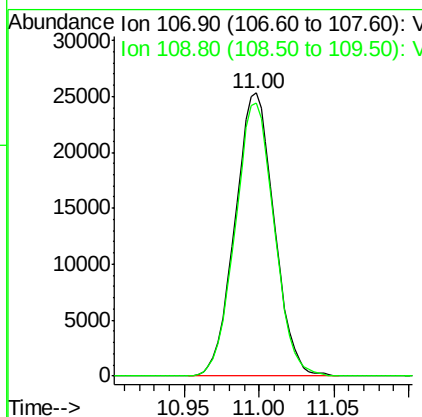
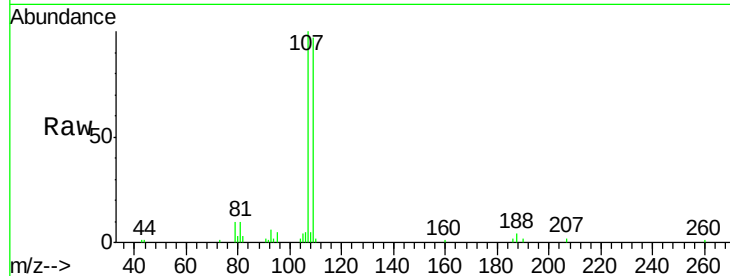
#61
 1,2-Dibromoethane
 Concen: 21.185 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

Tot Ion: 107 Resp: 46082
 Ion Ratio Lower Upper
 107 100
 109 96.2 76.6 115.0

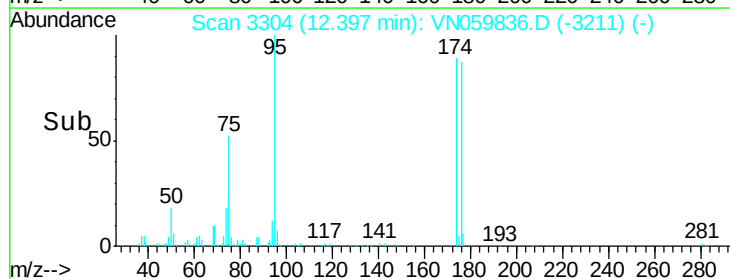
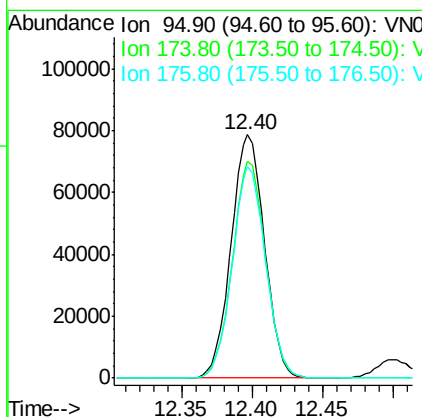
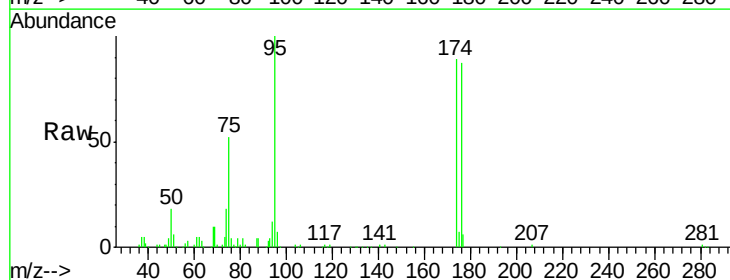
Manual Integrations
 APPROVED

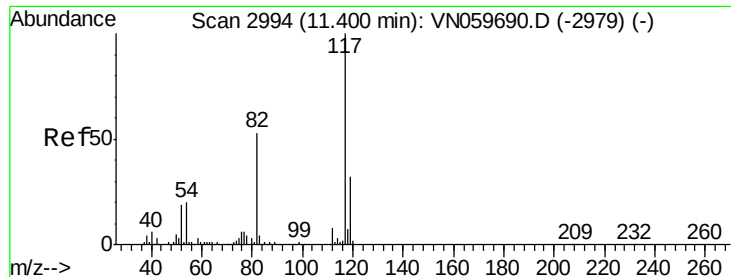
MMDadoda
 1/27/2020 11:15:32 AM



#62
 4-Bromofluorobenzene
 Concen: 49.134 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion: 95 Resp: 130726
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 151.4
 176 86.3 0.0 146.0





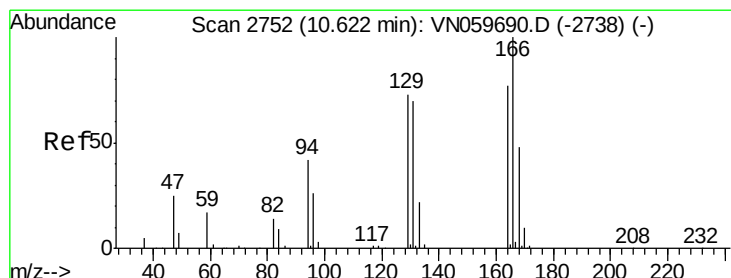
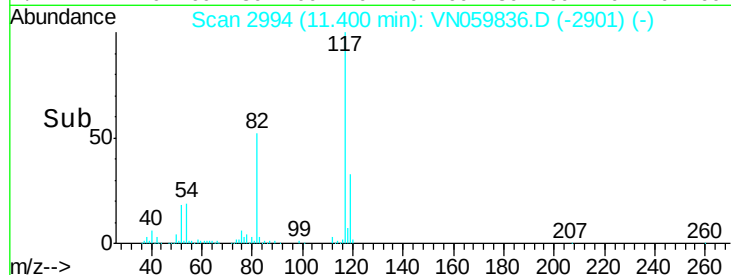
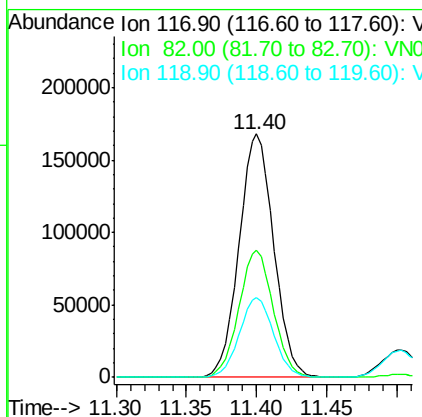
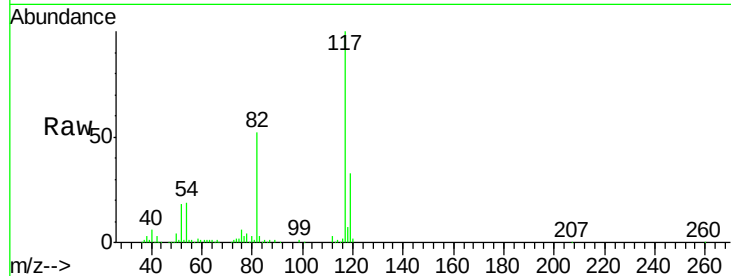
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289031		
82	52.3		45.9	68.9
119	32.6		25.5	38.3

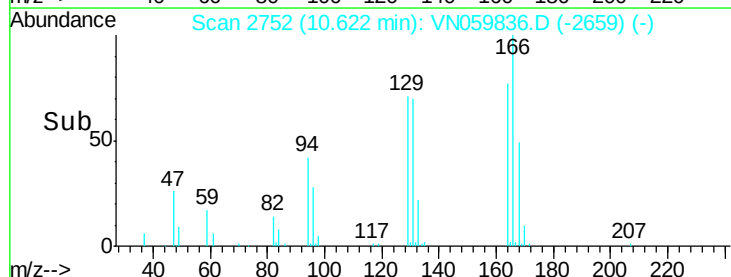
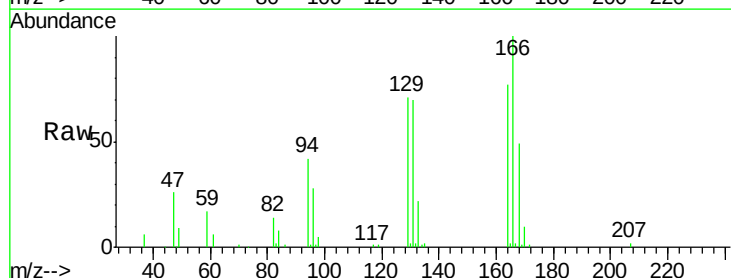
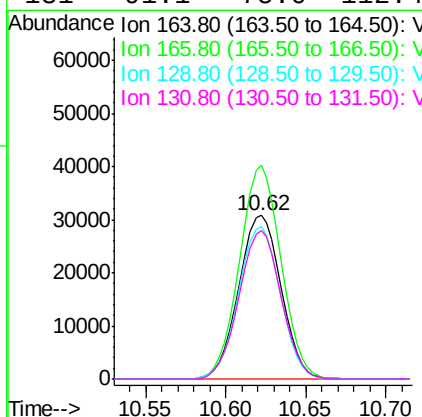
Manual Integrations
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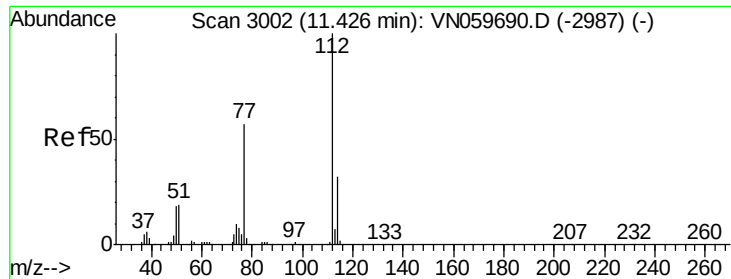
MMDadoda
1/27/2020 11:15:32 AM



#64
Tetrachloroethene
Concen: 23.589 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55567		
166	130.5		101.4	152.0
129	93.0		80.2	120.4
131	91.1		75.0	112.4





#65

Chlorobenzene

Concen: 21.385 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

Tot Ion:112 Resp: 121487

Ion Ratio Lower Upper

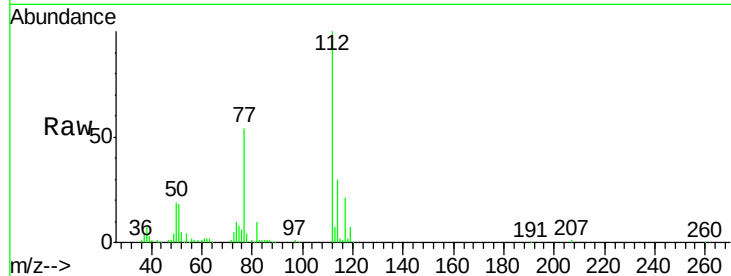
112 100

114 30.4 25.8 38.8

Manual Integrations
APPROVED

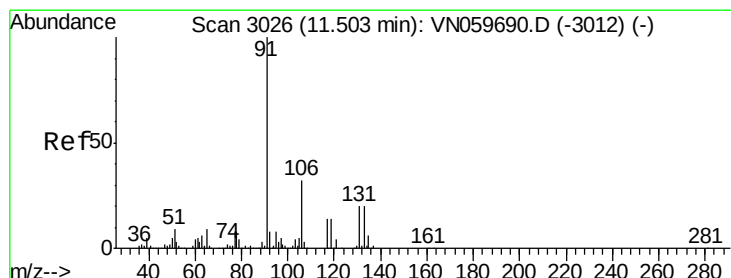
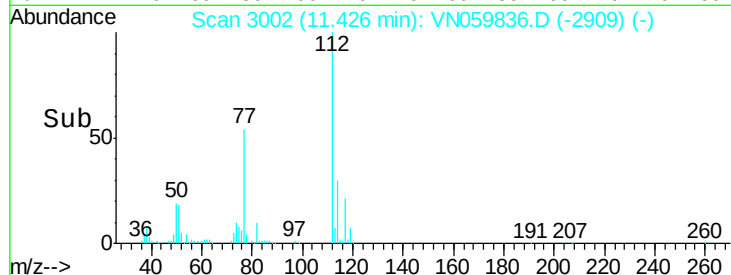
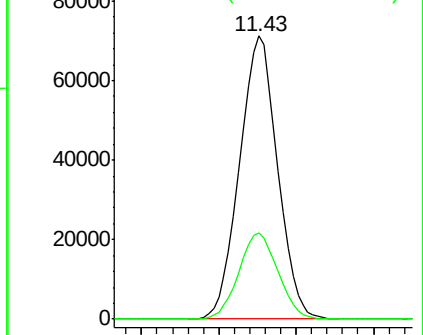
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.745 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

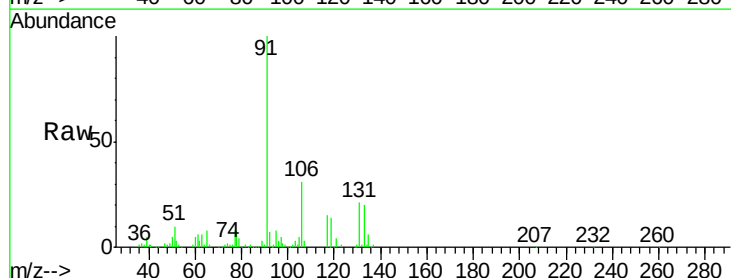
Tgt Ion:131 Resp: 47734

Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.2

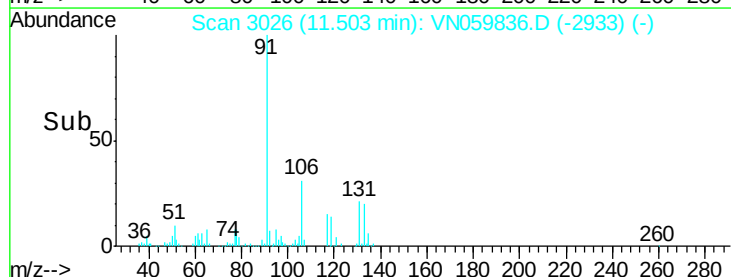
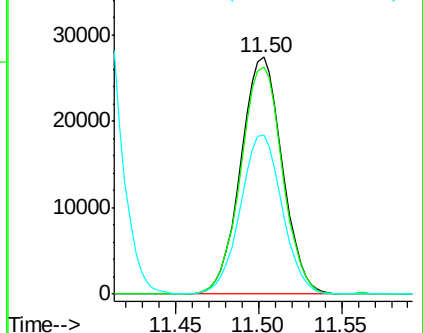
119 67.4 33.1 99.3

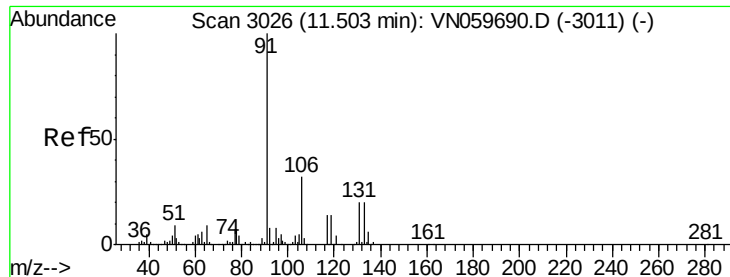


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.776 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

Tot Ion: 91 Resp: 214264

Ion Ratio Lower Upper

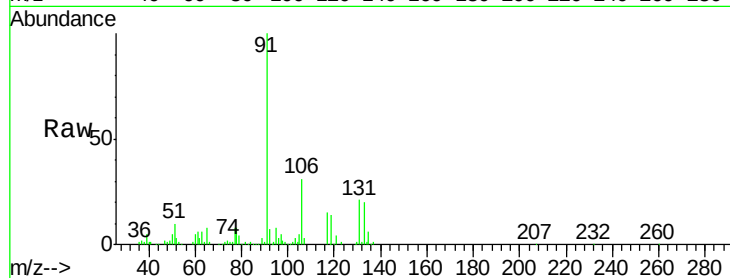
91 100

106 31.1 24.1 36.1

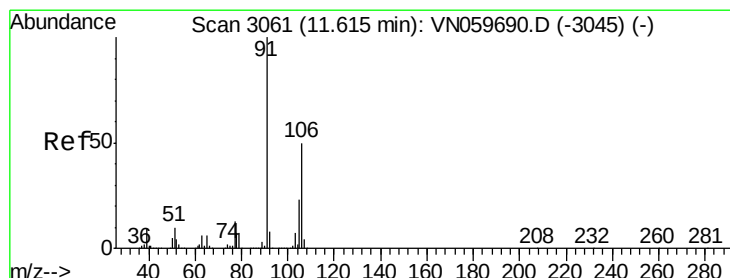
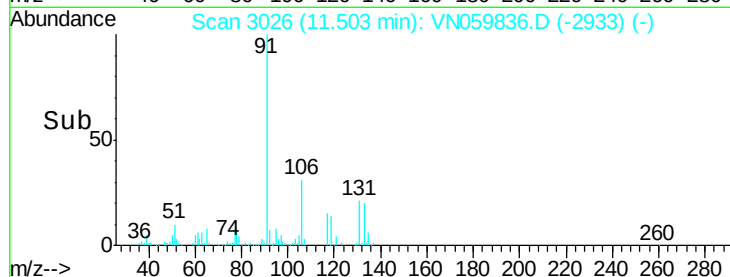
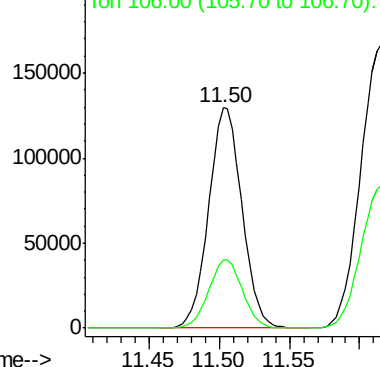
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3011) (-)



#68

m/p-Xylenes

Concen: 42.028 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059836.D

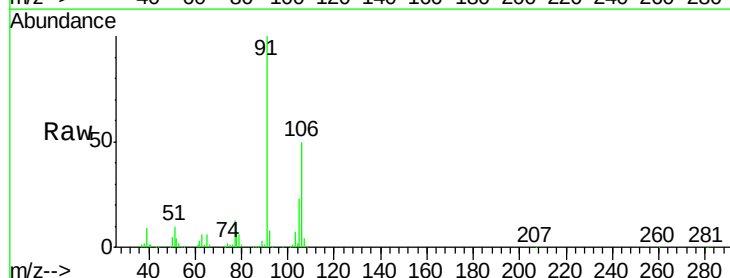
Acq: 24 Jan 2020 11:17

Tgt Ion: 106 Resp: 163725

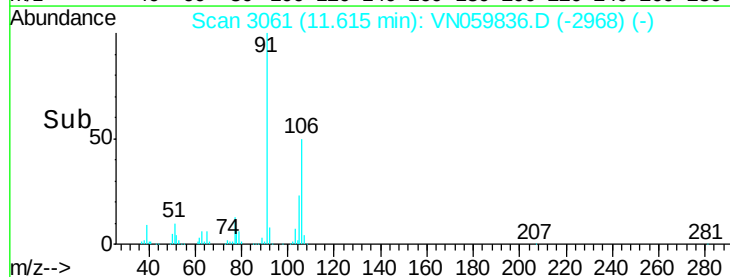
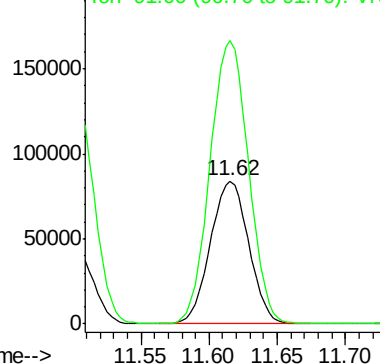
Ion Ratio Lower Upper

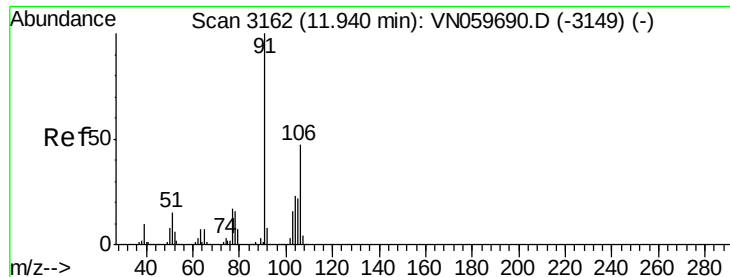
106 100

91 199.2 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059690.D (-3045) (-)





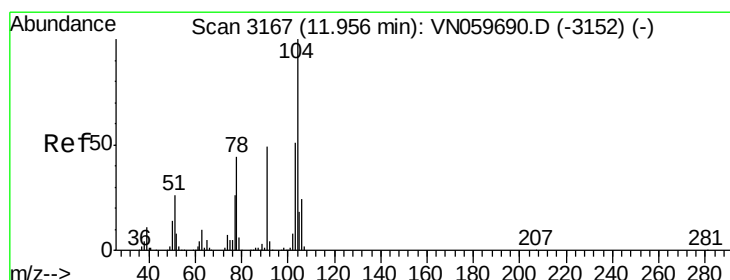
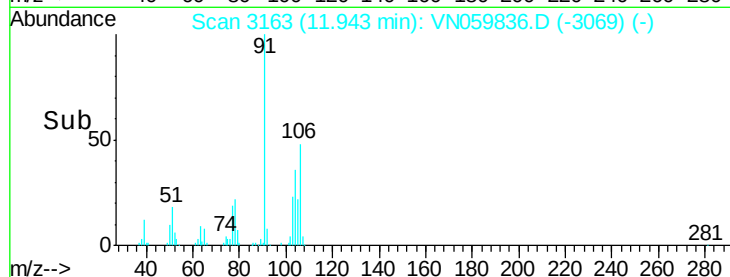
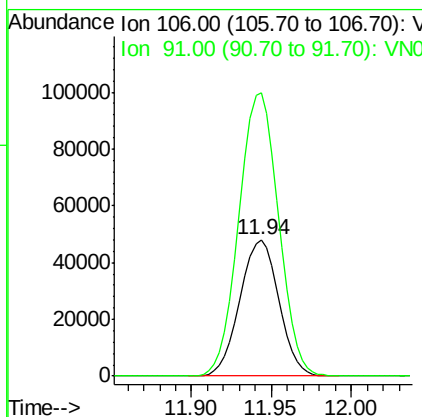
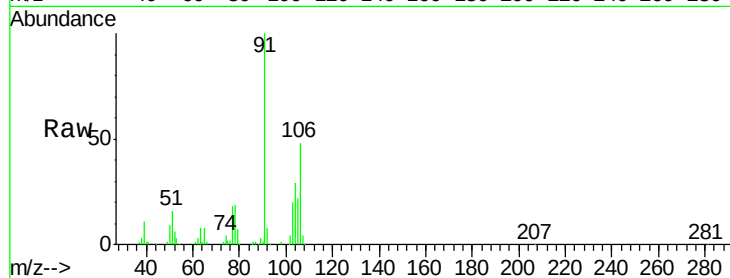
#69
o-Xylene
Concen: 20.955 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion:106 Resp: 79920
Ion Ratio Lower Upper
106 100
91 211.2 110.3 330.9

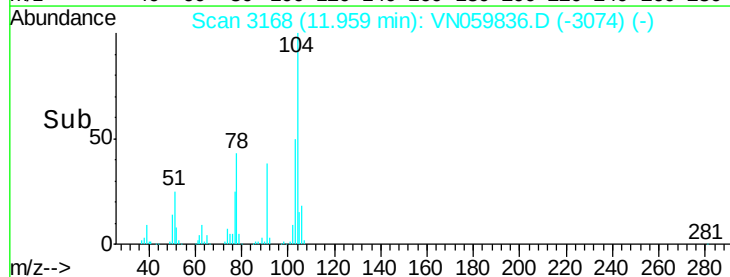
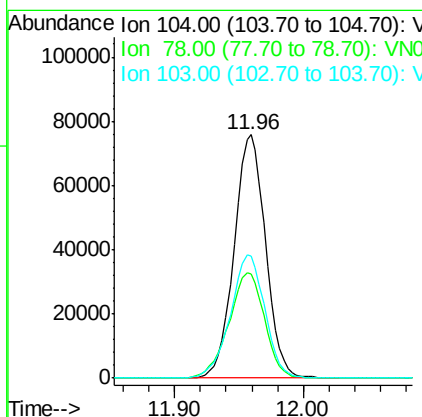
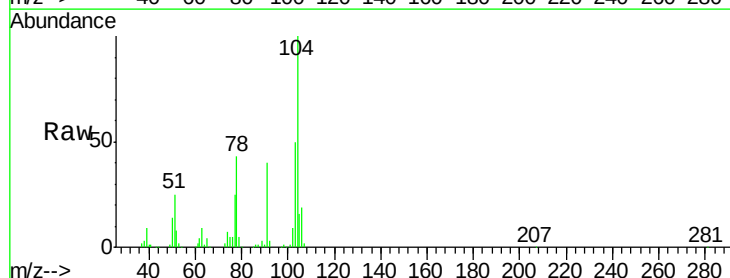
Manual Integrations
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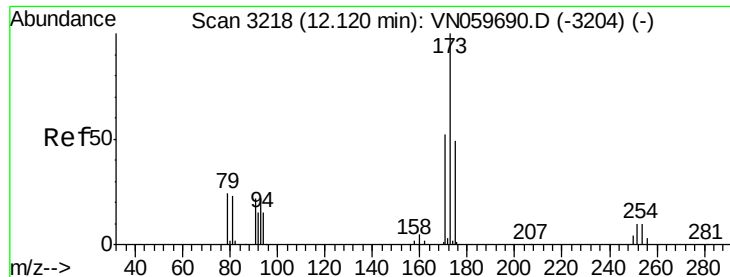
MMDadoda
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#70
Styrene
Concen: 20.118 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion:104 Resp: 128390
Ion Ratio Lower Upper
104 100
78 49.0 42.4 63.6
103 55.2 43.9 65.9





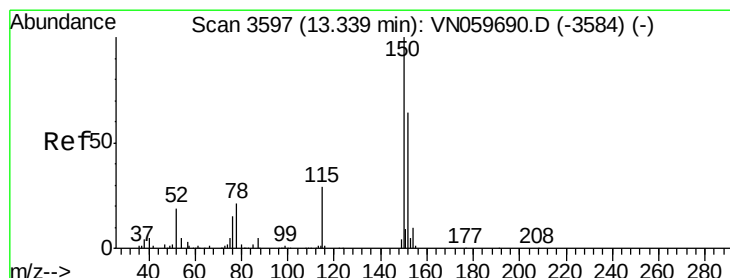
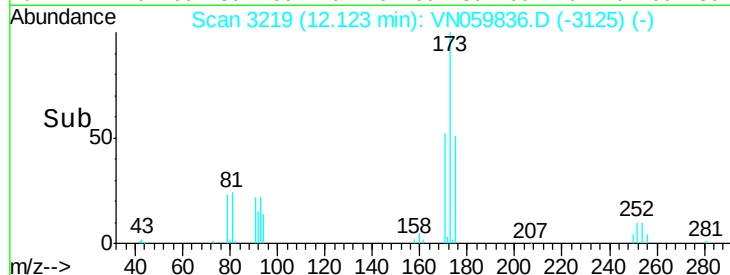
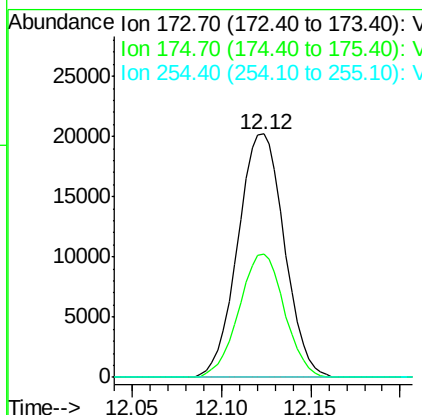
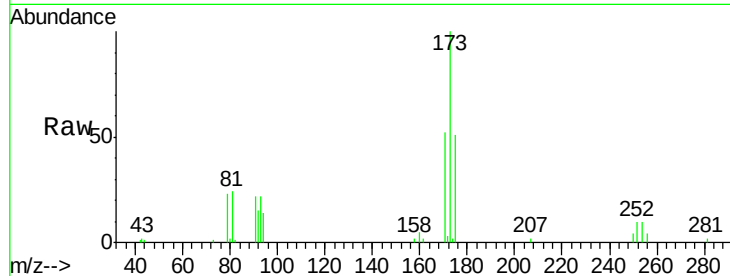
#71
Bromoform
Concen: 20.928 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.4
254	0.0	0.0	0.0

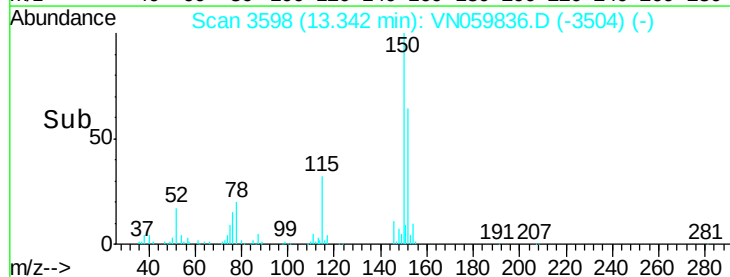
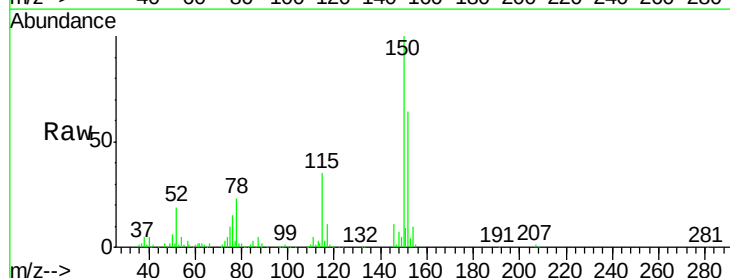
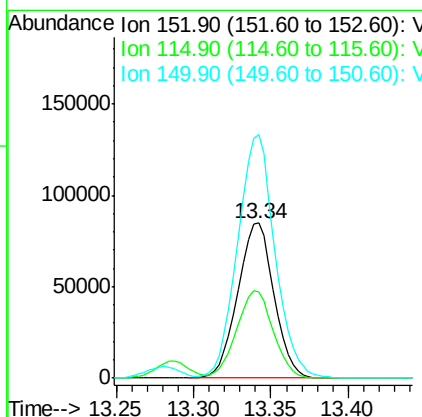
Manual Integrations
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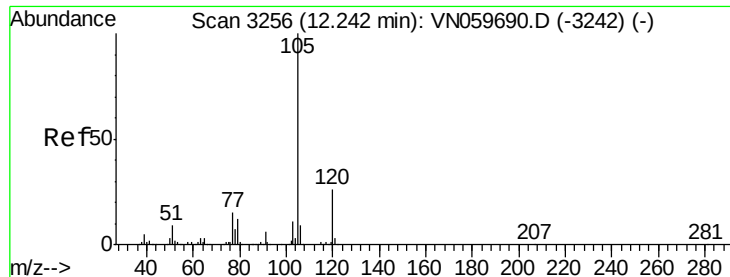
MMDadoda
1/27/2020 11:15:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	30.3	90.9
150	162.5	0.0	345.2





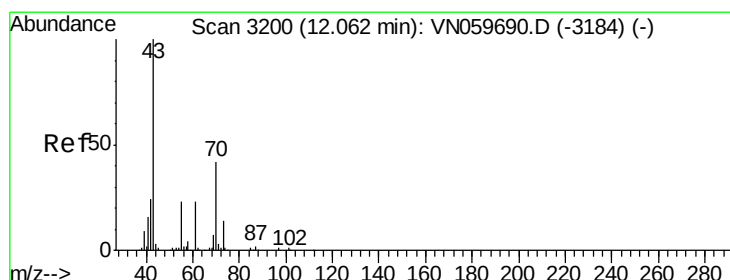
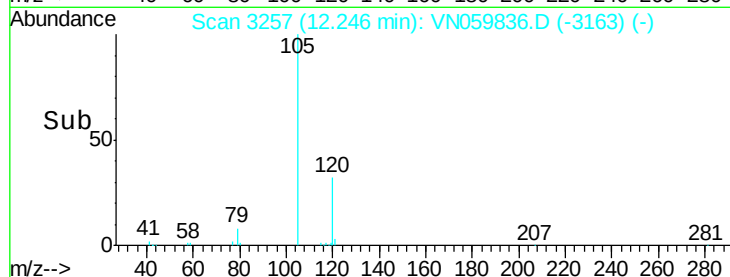
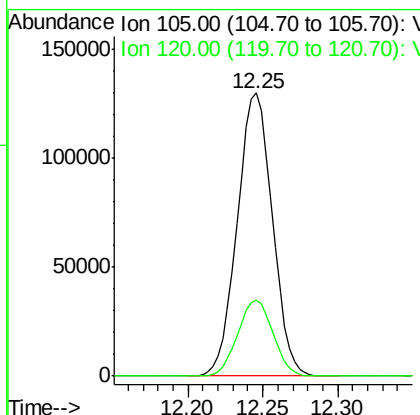
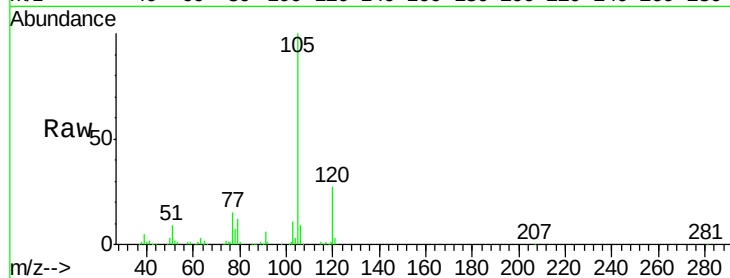
#73
Isopropylbenzene
Concen: 20.934 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.5

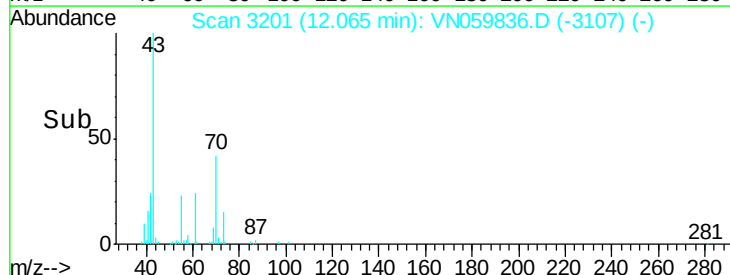
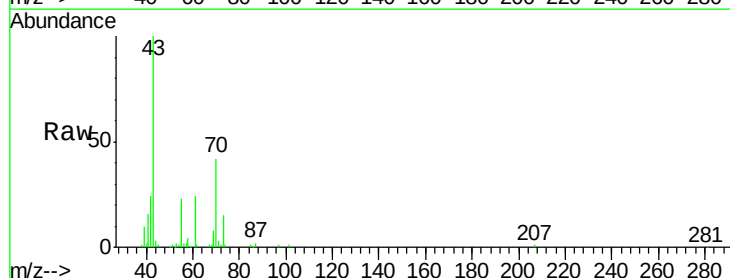
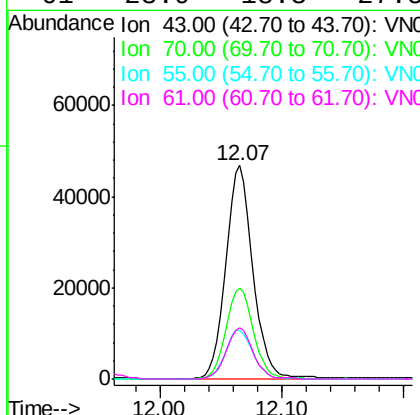
Manual Integrations
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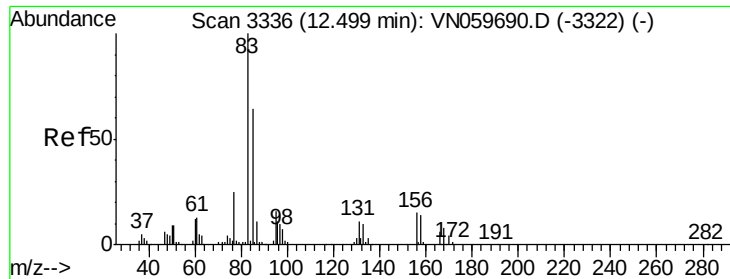
MMDadoda
1/27/2020 11:15:32 AM



#74
N-ethyl acetate
Concen: 18.634 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.1	31.3	46.9
55	23.2	19.8	29.6
61	23.9	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.265 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

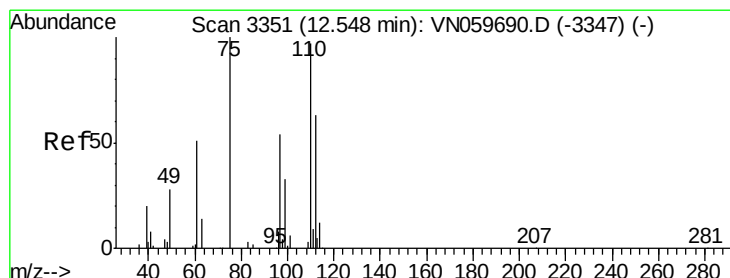
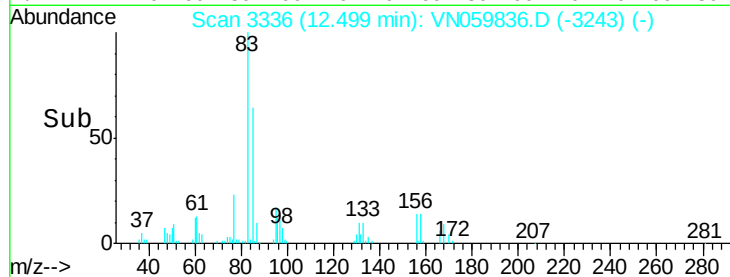
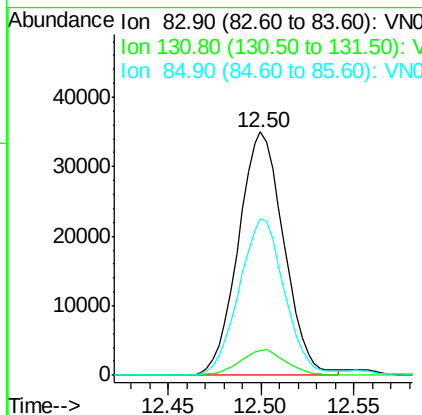
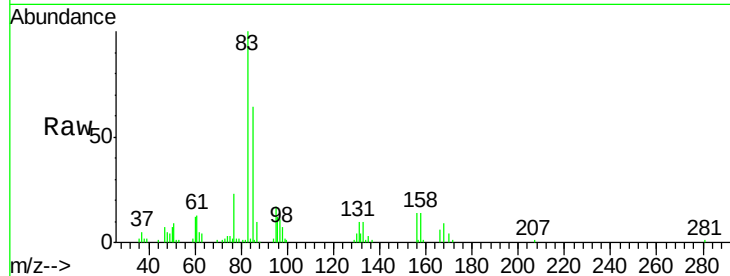
ClientSampled :

VN0124WBS01

Tot Ion:	83	Resp:	59506
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	64.1	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.418 ug/l m

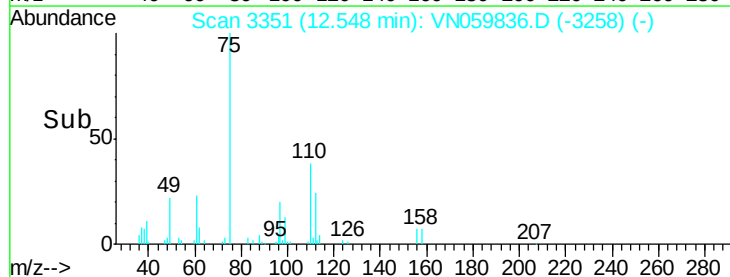
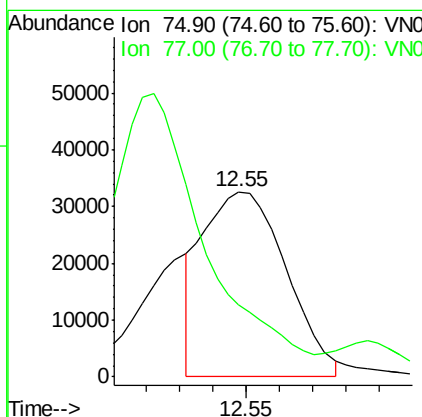
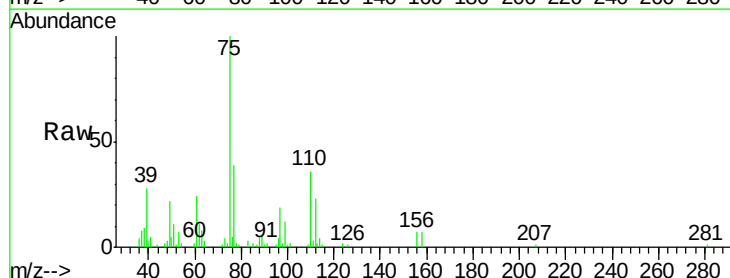
RT: 12.55 min Scan# 3351

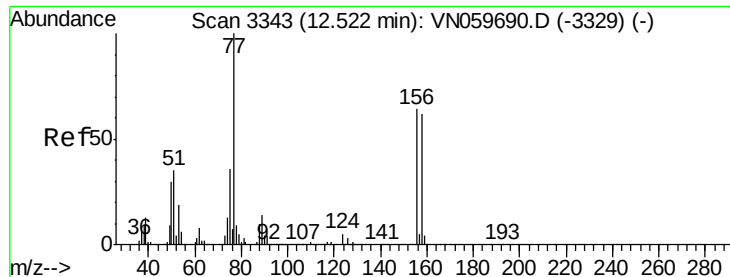
Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Tgt Ion:	75	Resp:	56754
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.323 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

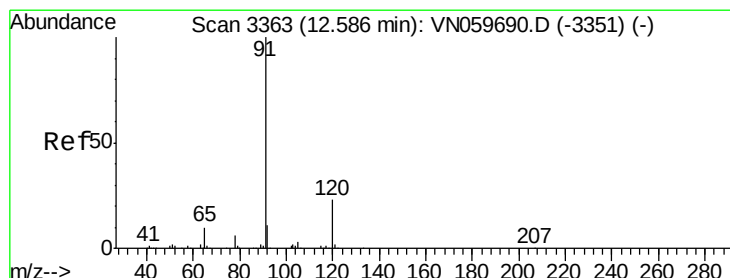
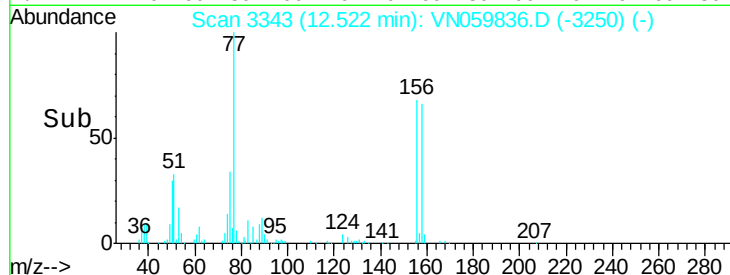
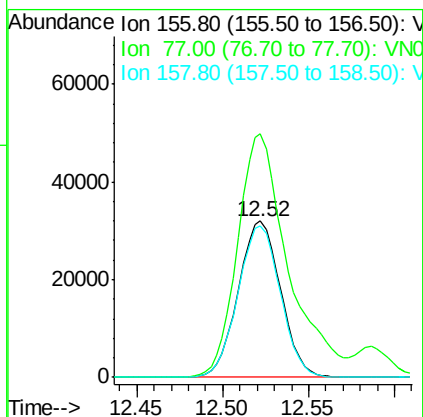
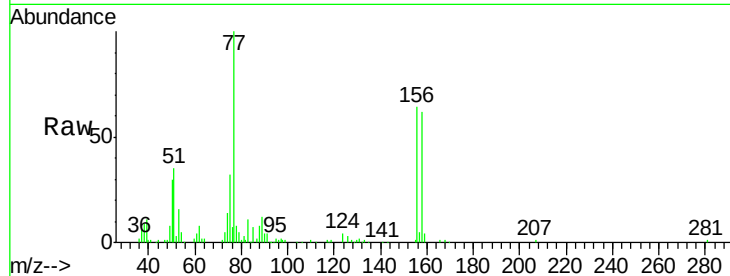
ClientSampleId :

VN0124WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.2	115.8	347.4
158	96.8	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.772 ug/l

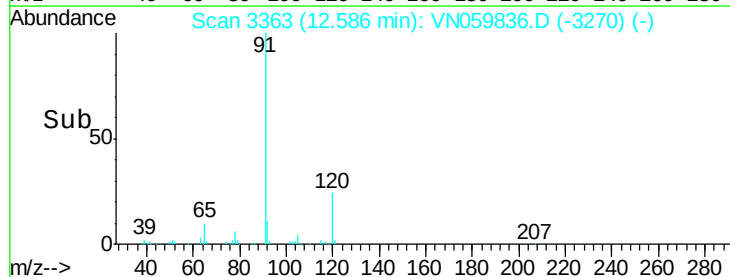
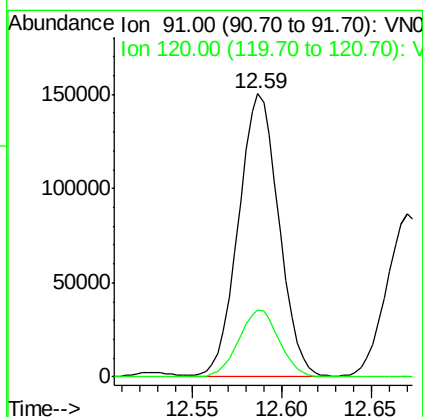
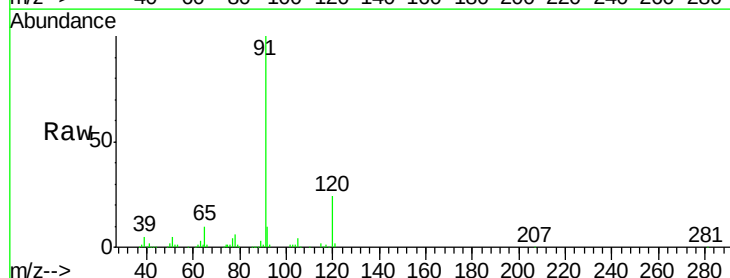
RT: 12.59 min Scan# 3363

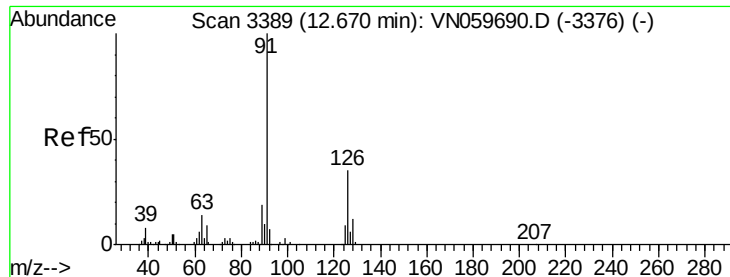
Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 20.667 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

Tot Ion: 91 Resp: 139774

Ion Ratio Lower Upper

91 100

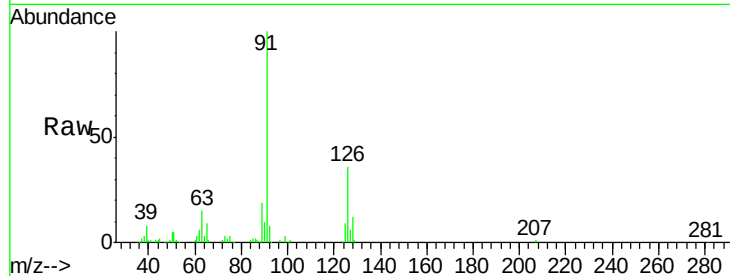
126 36.1 16.3 48.9

Manual Integrations

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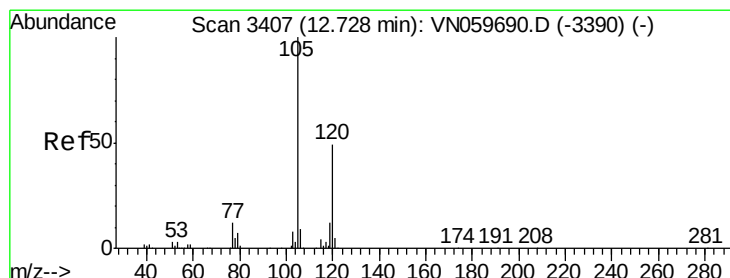
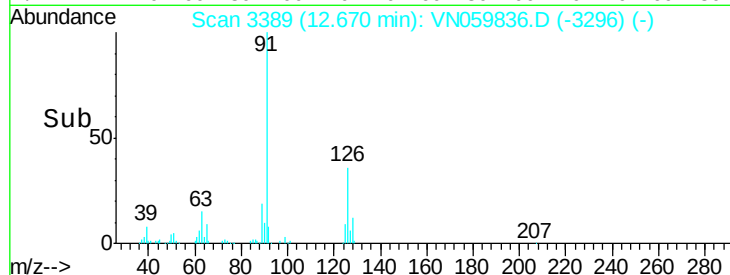
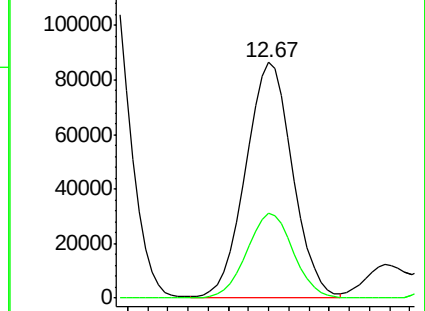
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Abundance Ion 91.00 (90.70 to 91.70): VN059836.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059836.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.086 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059836.D

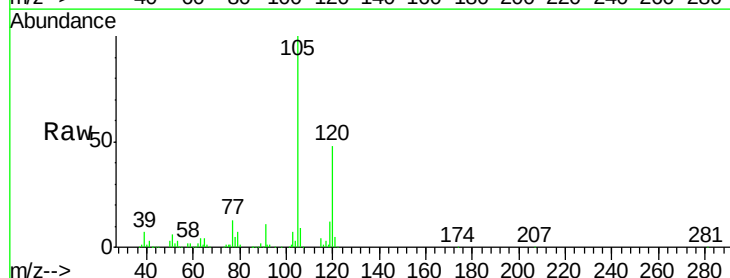
Acq: 24 Jan 2020 11:17

Tgt Ion: 105 Resp: 179621

Ion Ratio Lower Upper

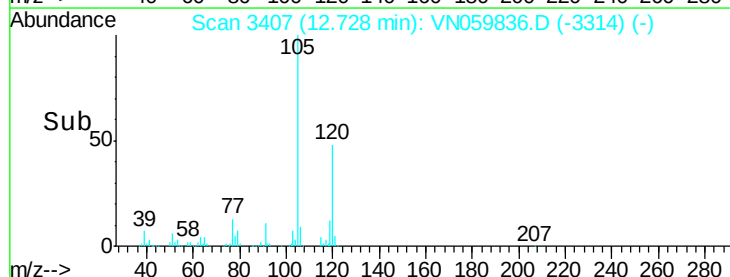
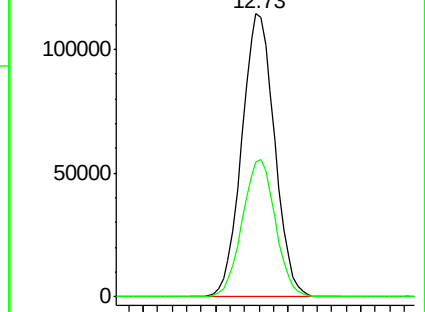
105 100

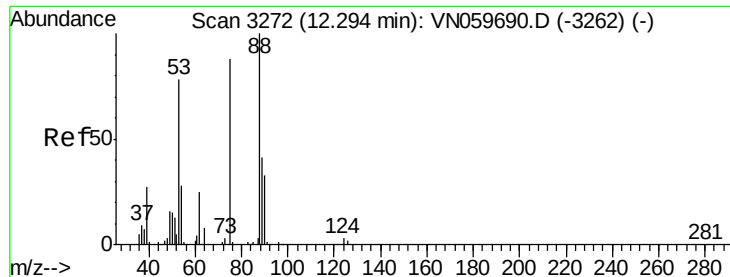
120 48.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059836.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059836.D (-3390) (-)





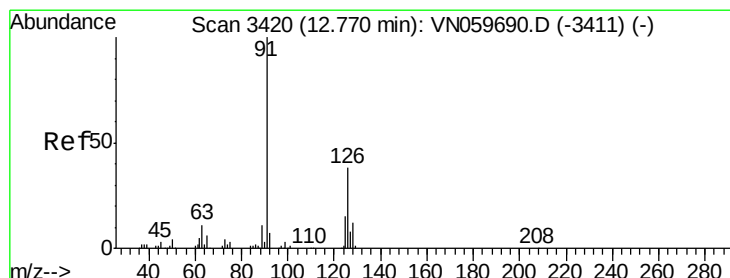
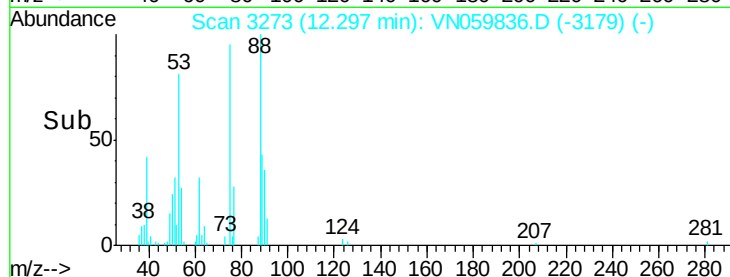
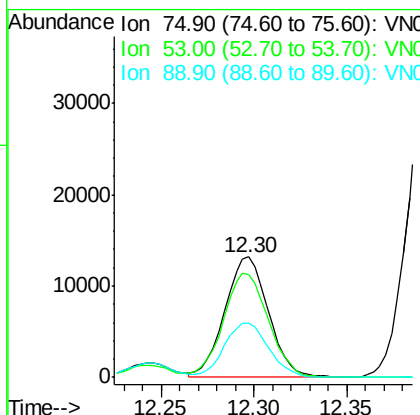
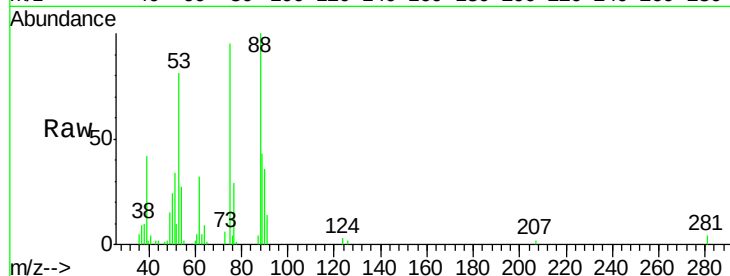
#81
trans-1,4-Dichloro-2-butene
Concen: 19.910 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.2	78.1	117.1
89	46.0	35.4	53.2

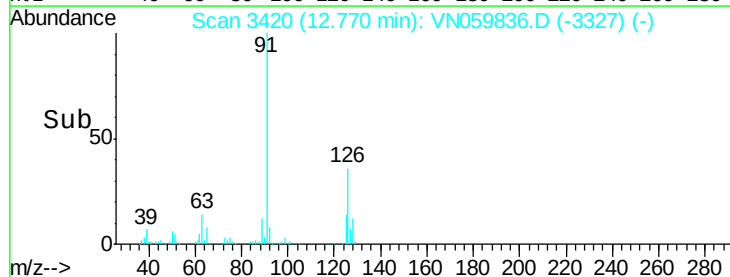
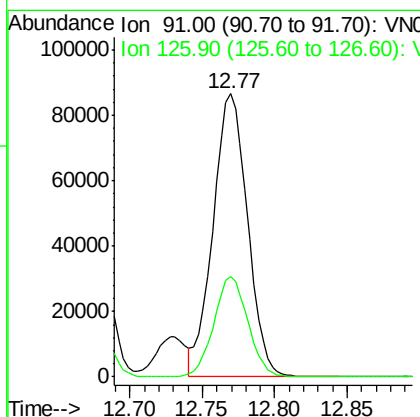
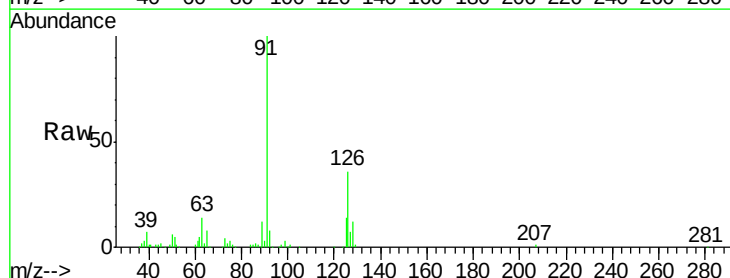
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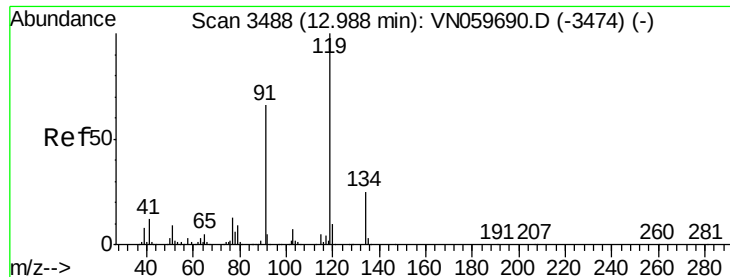
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.155 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.3	48.8





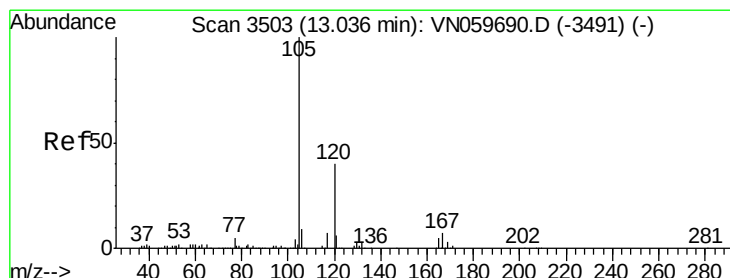
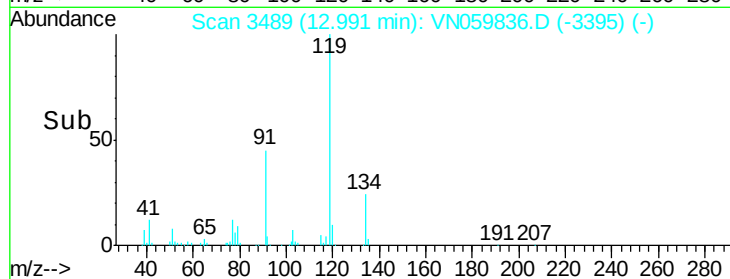
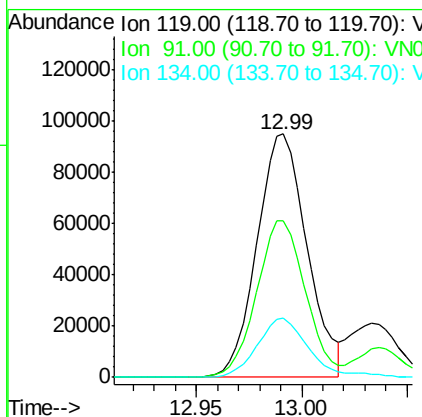
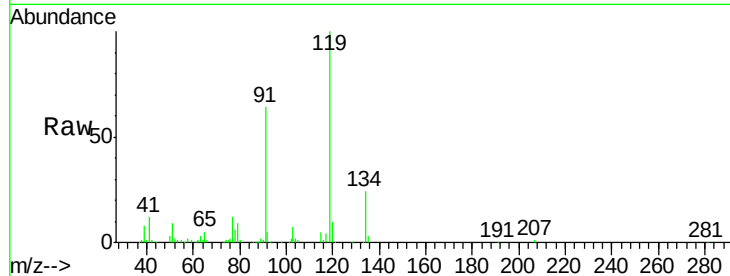
#83
 tert-Butylbenzene
 Concen: 21.317 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	34.8	104.4
134	25.0	12.3	36.9

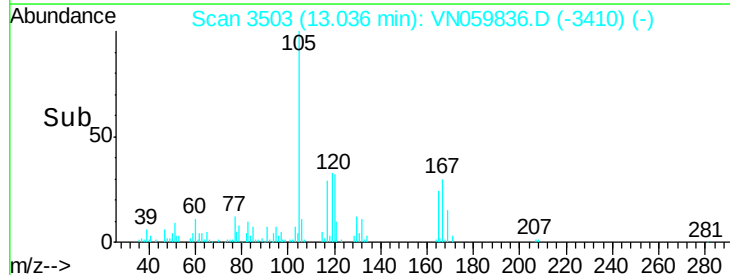
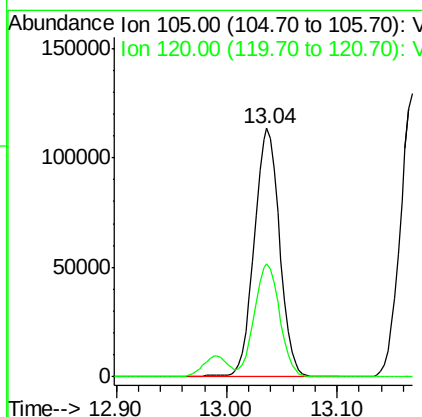
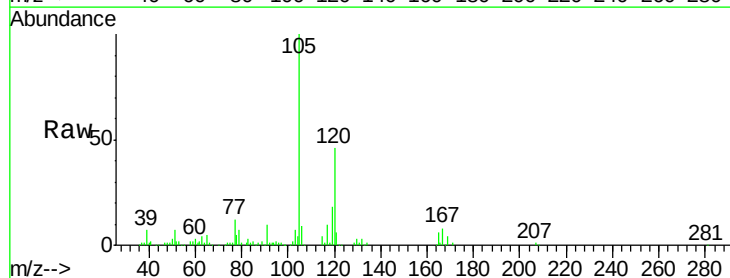
Manual Integrations
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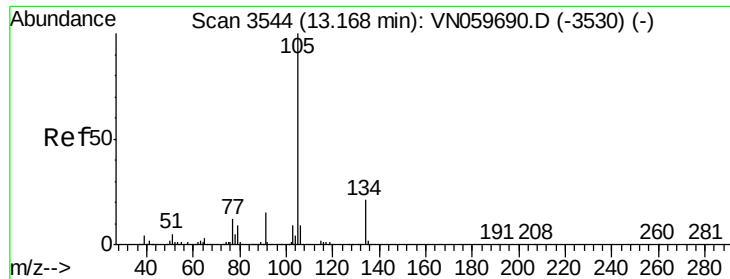
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.445 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 20.864 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

Tot Ion:105 Resp: 201958

Ion Ratio Lower Upper

105 100

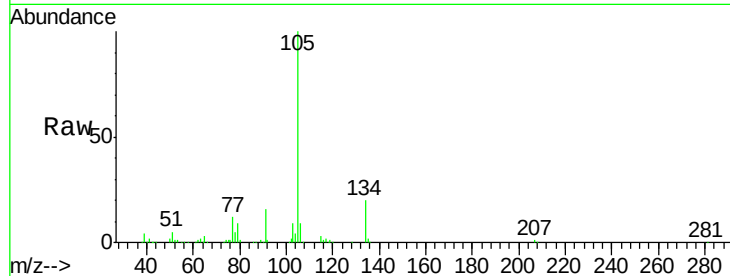
134 20.5 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

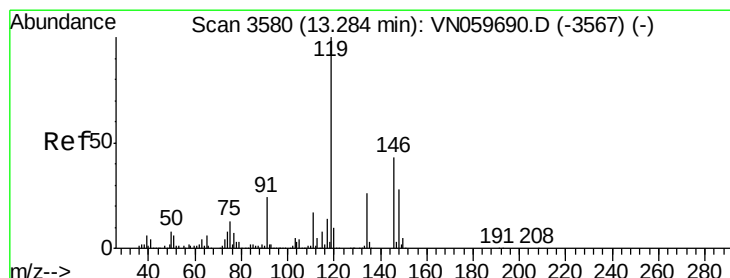
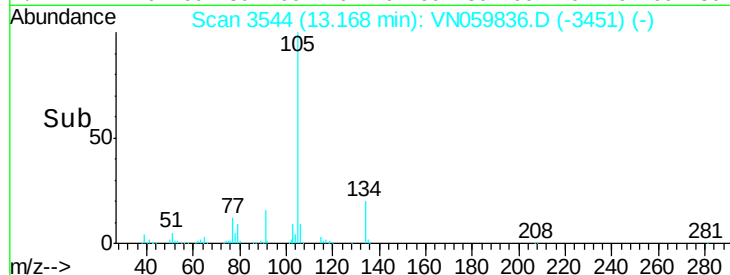
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 21.231 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

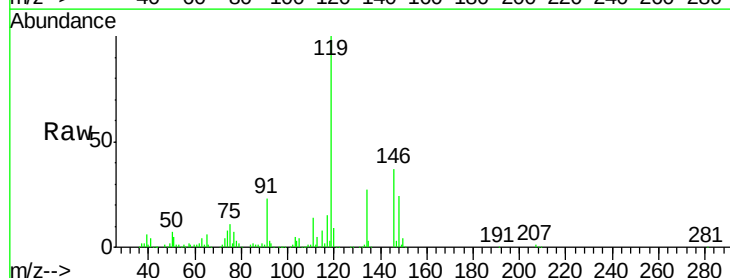
Tgt Ion:119 Resp: 190151

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

91 23.2 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

150000

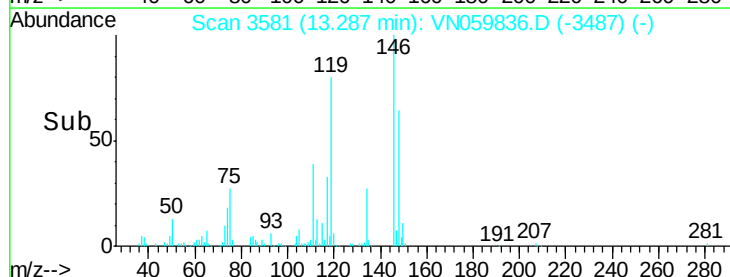
100000

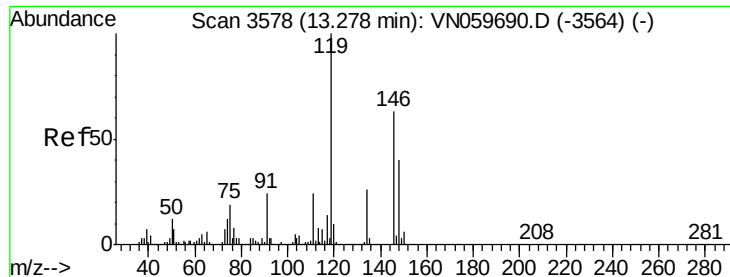
50000

0

13.20 13.30

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.062 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059836.D

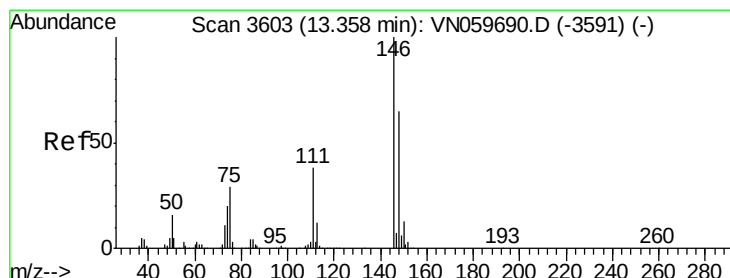
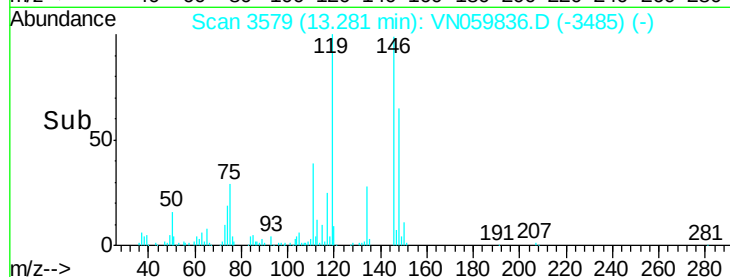
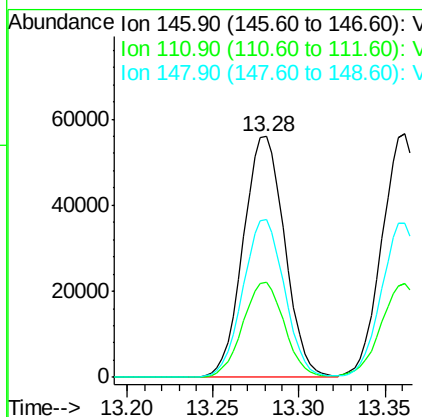
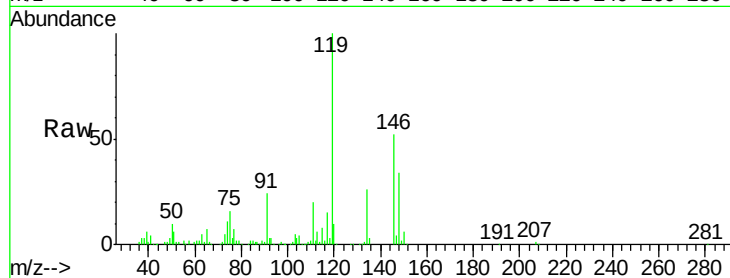
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0124WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.8	62.2
148	65.4	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.320 ug/l

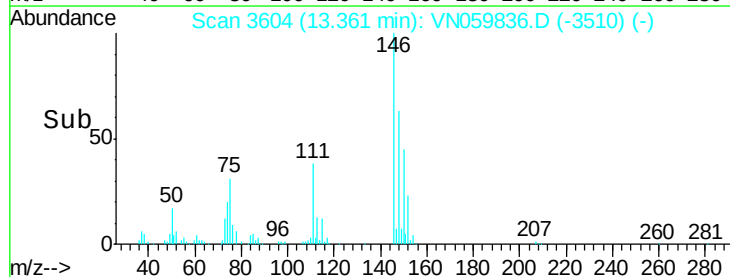
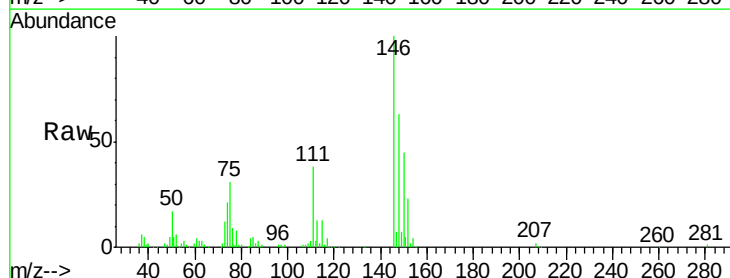
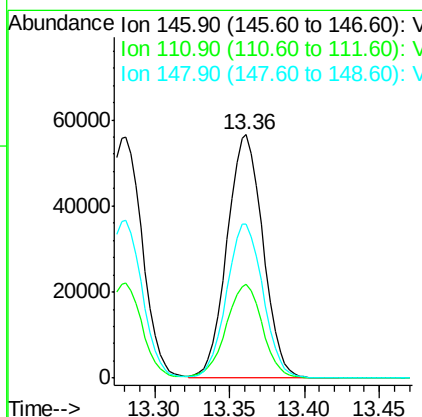
RT: 13.36 min Scan# 3604

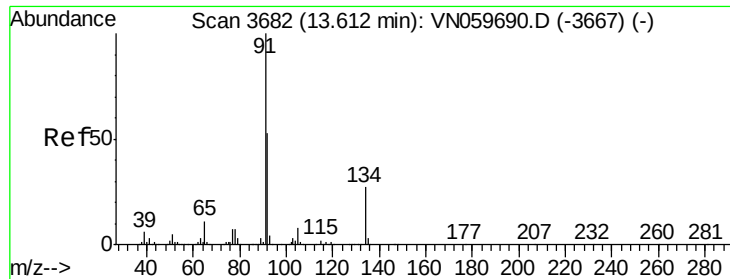
Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.2
148	64.1	31.8	95.4





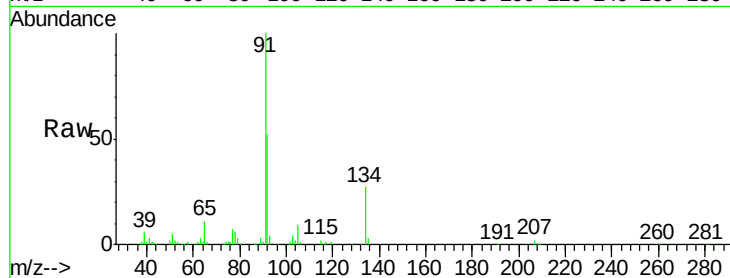
#89
n-Butylbenzene
Concen: 20.514 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

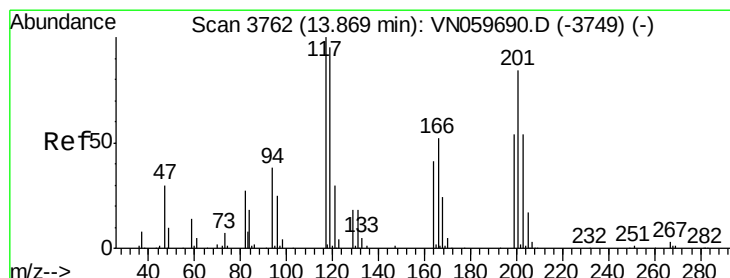
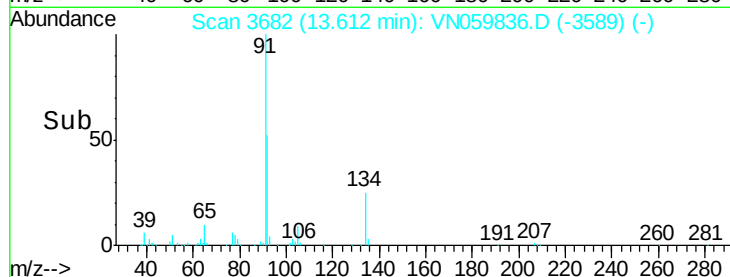
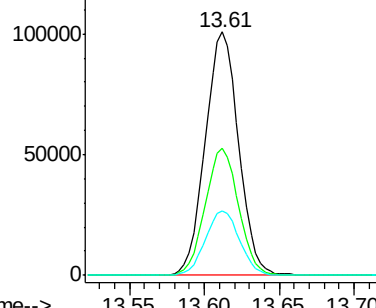
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.7
134	27.2	12.3	36.8

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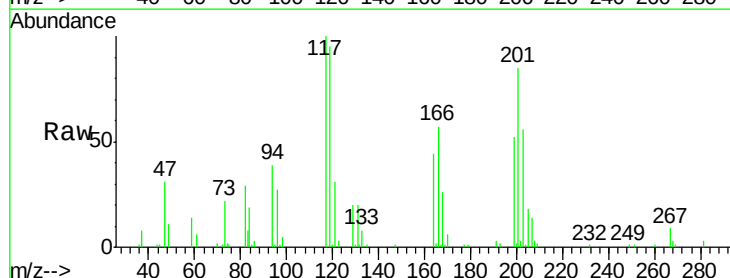


Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN059690.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN059690.D (-3667) (-)

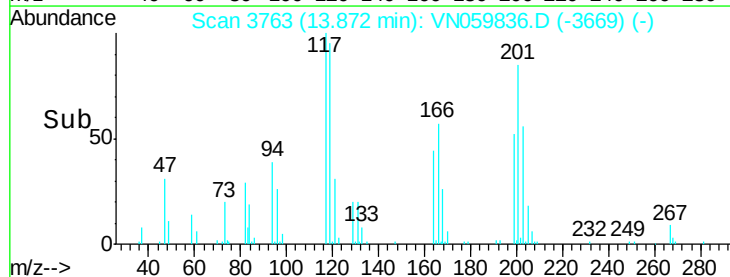
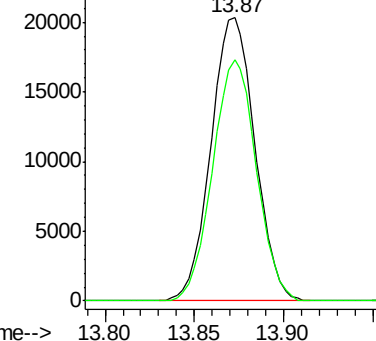


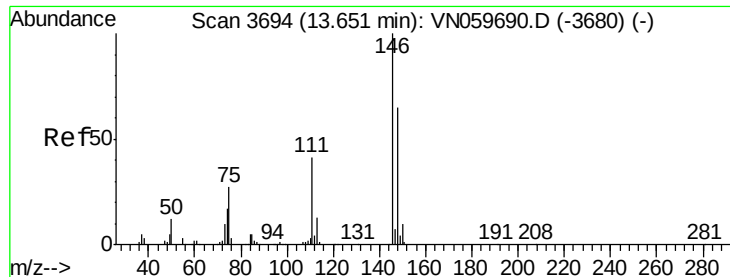
#90
Hexachloroethane
Concen: 20.836 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059836.D
Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	37.8	113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059690.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN059690.D (-3749) (-)





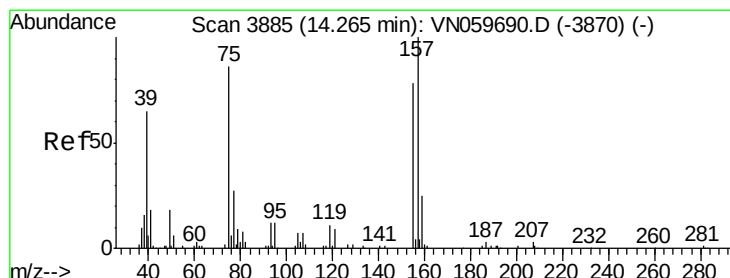
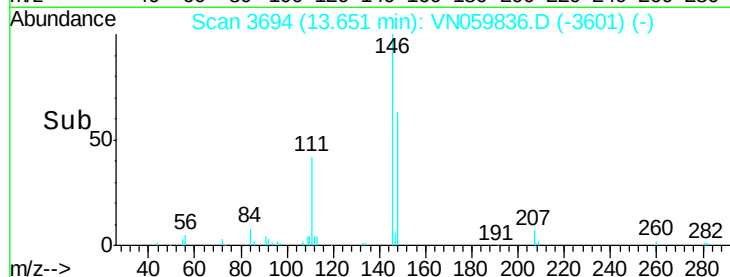
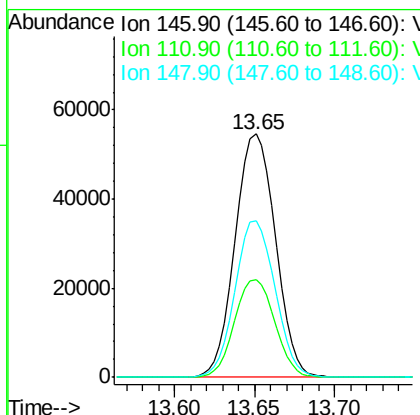
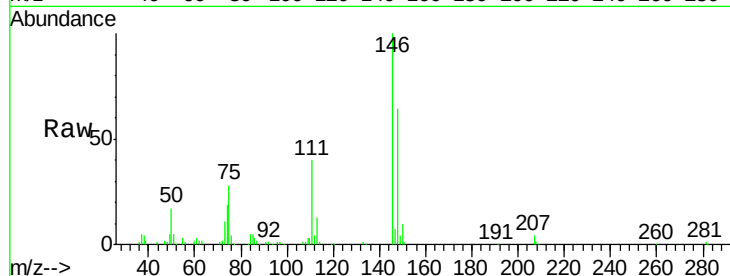
#91
 1,2-Dichlorobenzene
 Concen: 21.357 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0124WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.6	64.8
148	63.7	31.6	95.0

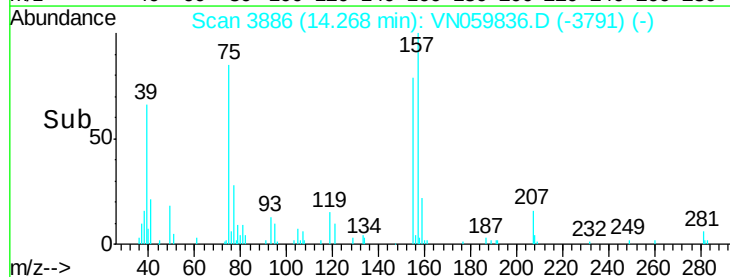
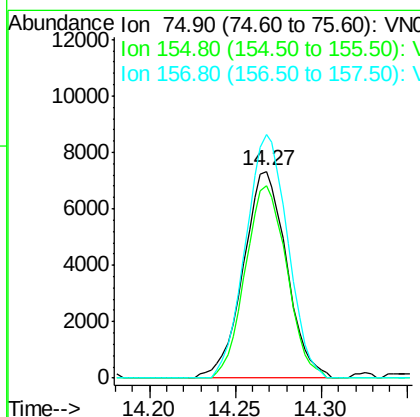
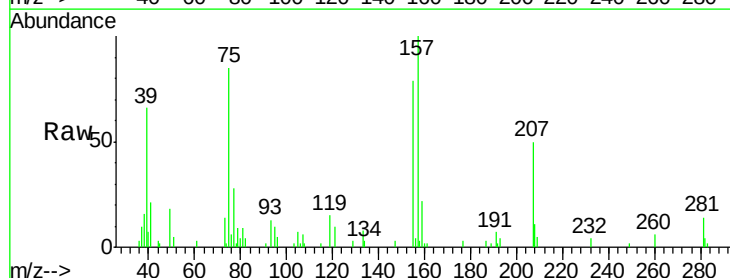
Manual Integrations
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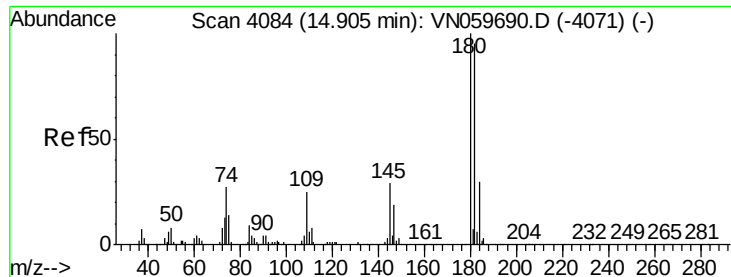
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 1/27/2020 11:15:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.028 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	37.0	110.9
157	114.5	48.4	145.2





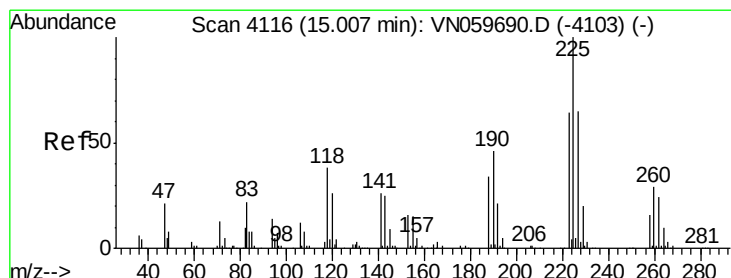
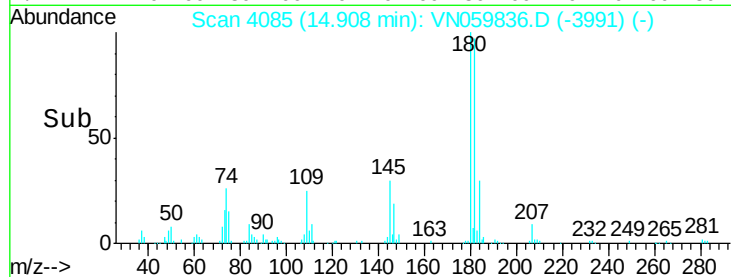
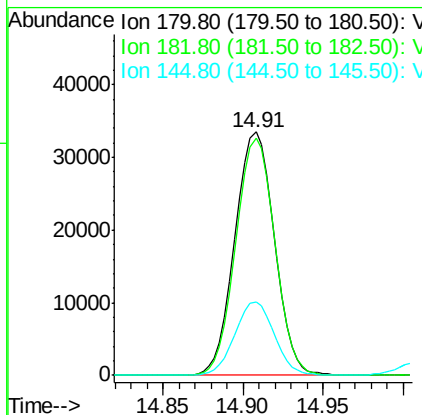
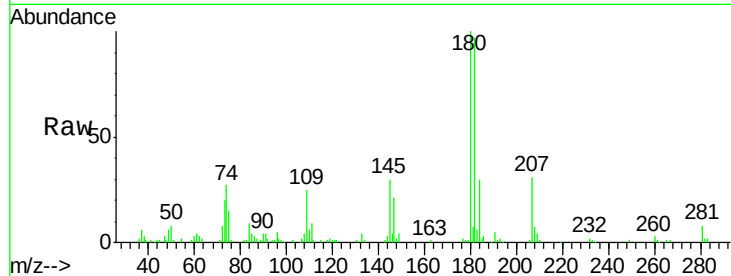
#93
 1,2,4-Trichlorobenzene
 Concen: 21.338 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0124WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.9	140.7
145	30.1	15.0	45.1

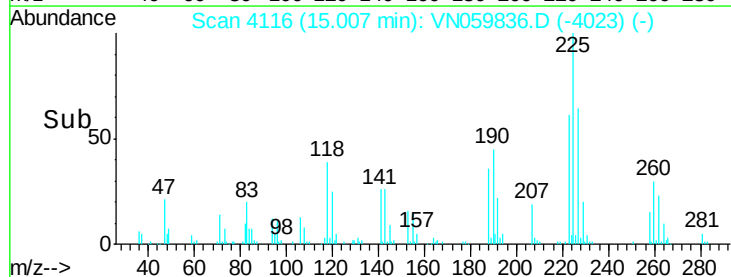
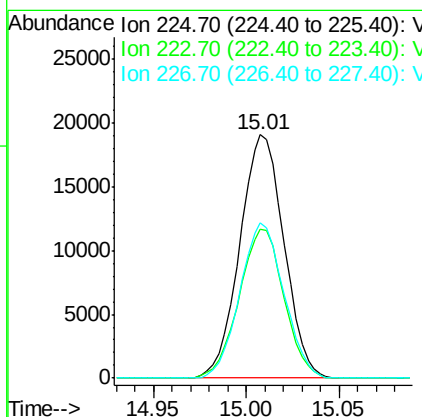
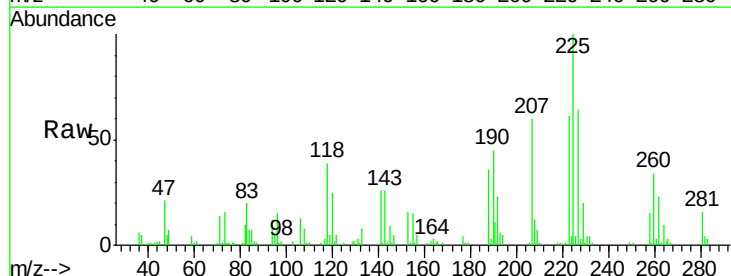
Manual Integrations
 APPROVED

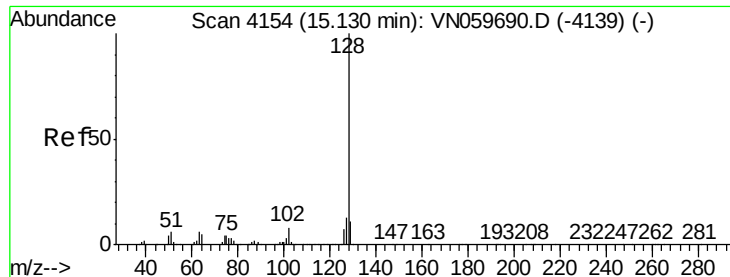
MMDadoda
 1/27/2020 11:15:32 AM



#94
 Hexachlorobutadiene
 Concen: 21.577 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059836.D
 Acq: 24 Jan 2020 11:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.8	95.3
227	63.5	32.1	96.5





#95

Naphthalene

Concen: 19.830 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Instrument :

MSVOA_N

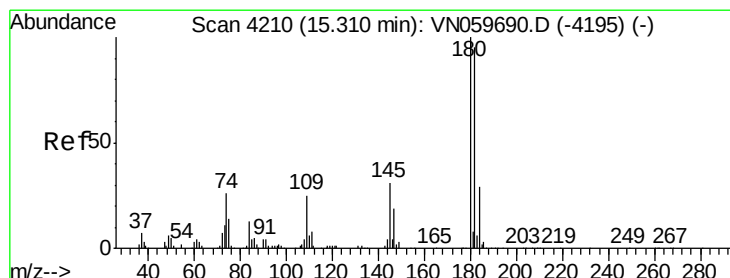
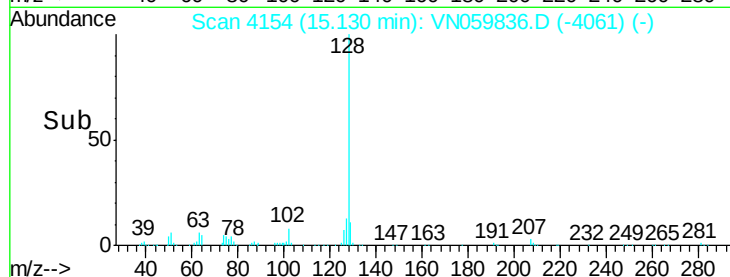
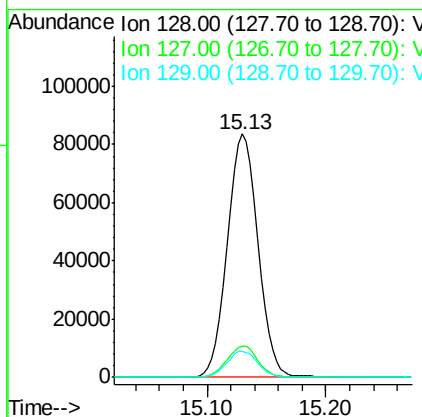
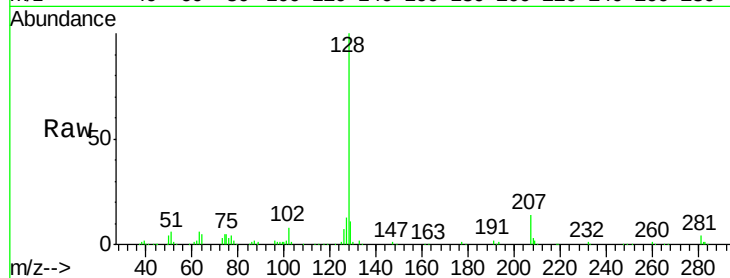
ClientSampleId :

VN0124WBS01

Tot Ion:	128	Resp:	149291
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:15:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.858 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059836.D

Acq: 24 Jan 2020 11:17

Tgt Ion:	180	Resp:	56313
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.4	142.3
145	31.4	16.3	48.9

