

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059966.D
 Acq On : 3 Feb 2020 11:37
 Operator : JC/MD
 Sample : VN0203WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:20:25 AM

Quant Time: Feb 03 13:45:01 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	186213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	289804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	103169	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.57	113	84132	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	10.08	98	319418	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	12.40	95	115325	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37537	16.750	ug/l	99
3) Chloromethane	2.04	50	37884	17.770	ug/l	100
4) Vinyl Chloride	2.17	62	47846	19.615	ug/l	97
5) Bromomethane	2.55	94	28929	19.434	ug/l	98
6) Chloroethane	2.69	64	22502	19.499	ug/l	94
7) Trichlorofluoromethane	3.00	101	55903	19.083	ug/l	91
8) Diethyl Ether	3.39	74	20634	20.071	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33532	20.567	ug/l	94
10) Methyl Iodide	3.93	142	41416	15.715	ug/l	95
11) Tert butyl alcohol	4.73	59	33487	96.192	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	31526	18.505	ug/l	89
13) Acrolein	3.58	56	12042	48.865	ug/l	97
14) Allyl chloride	4.30	41	49126	21.393	ug/l #	94
15) Acrylonitrile	4.95	53	79130	99.647	ug/l	99
16) Acetone	3.78	43	96940	132.747	ug/l	91
17) Carbon Disulfide	4.03	76	77520	15.973	ug/l	100
18) Methyl Acetate	4.29	43	49450	20.472	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	113200	20.379	ug/l	94
20) Methylene Chloride	4.53	84	36764	18.844	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	33896	18.717	ug/l	91
22) Diisopropyl ether	5.91	45	105080	20.193	ug/l	93
23) Vinyl Acetate	5.86	43	382368	94.902	ug/l	96
24) 1,1-Dichloroethane	5.82	63	63412	19.943	ug/l	98
25) 2-Butanone	6.80	43	115735	98.829	ug/l	93
26) 2,2-Dichloropropane	6.79	77	60562	19.812	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	41484	19.916	ug/l	91
28) Bromochloromethane	7.17	49	24591	19.350	ug/l #	75
29) Tetrahydrofuran	7.18	42	70008	96.621	ug/l	89
30) Chloroform	7.35	83	67889	20.606	ug/l	98
31) Cyclohexane	7.63	56	55080	18.002	ug/l	88
32) 1,1,1-Trichloroethane	7.54	97	60885	19.987	ug/l	97
36) 1,1-Dichloropropene	7.77	75	46861	18.568	ug/l	95
37) Ethyl Acetate	6.90	43	45694	19.304	ug/l	99
38) Carbon Tetrachloride	7.75	117	53690	19.557	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56129	18.037	ug/l	93
40) Benzene	8.02	78	144530	19.202	ug/l	100
41) Methacrylonitrile	7.15	41	21458m	18.405	ug/l	
42) 1,2-Dichloroethane	8.10	62	53393	20.923	ug/l	98
43) Isopropyl Acetate	8.14	43	77797	19.108	ug/l	96
44) Trichloroethene	8.82	130	41973	20.428	ug/l	98
45) 1,2-Dichloropropane	9.10	63	37305	20.030	ug/l	98
46) Dibromomethane	9.19	93	26755	20.365	ug/l	93
47) Bromodichloromethane	9.39	83	54926	20.746	ug/l	98
48) Methyl methacrylate	9.18	41	33014	18.128	ug/l	90
49) 1,4-Dioxane	9.18	88	13015	390.393	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	224894	95.555	ug/l	95
52) Toluene	10.14	92	93144	19.592	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	60061	20.317	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	63611	20.451	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	38115	20.242	ug/l	98
56) Ethyl methacrylate	10.42	69	53417	18.566	ug/l	93
57) 1,3-Dichloropropane	10.70	76	61668	20.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	86729	100.080	ug/l	92
59) 2-Hexanone	10.74	43	168193	97.005	ug/l	94
60) Dibromochloromethane	10.89	129	43718	20.389	ug/l	100
61) 1,2-Dibromoethane	10.99	107	39258	19.892	ug/l	99
64) Tetrachloroethene	10.62	164	46296	21.429	ug/l	97
65) Chlorobenzene	11.43	112	103329	19.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40763	20.248	ug/l	97
67) Ethyl Benzene	11.51	91	182873	19.335	ug/l	99
68) m/p-Xylenes	11.62	106	136499	38.205	ug/l	96
69) o-Xylene	11.94	106	66877	19.120	ug/l	95
70) Styrene	11.96	104	108198	18.486	ug/l	97
71) Bromoform	12.12	173	31933	19.802	ug/l #	99
73) Isopropylbenzene	12.25	105	181270	19.578	ug/l	99
74) N-amyl acetate	12.07	43	64095	17.840	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	51937	19.350	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	49739m	23.411	ug/l	
77) Bromobenzene	12.52	156	45667	19.477	ug/l	84
78) n-propylbenzene	12.59	91	202920	19.527	ug/l	98
79) 2-Chlorotoluene	12.67	91	119361	19.307	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	149707	19.226	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	18336	18.534	ug/l	95
82) 4-Chlorotoluene	12.77	91	122048	19.682	ug/l	97
83) tert-Butylbenzene	12.99	119	130617	19.395	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	148579	19.287	ug/l	97
85) sec-Butylbenzene	13.17	105	173350	19.592	ug/l	99
86) p-Isopropyltoluene	13.29	119	157203	19.201	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	80379	19.736	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	78610	19.348	ug/l	96
89) n-Butylbenzene	13.61	91	136206	19.512	ug/l	99
90) Hexachloroethane	13.87	117	29033	18.954	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	79433	19.728	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11324	18.333	ug/l	92

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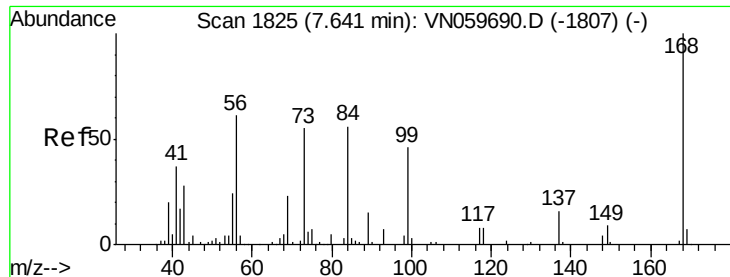
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46697	19.301	ug/l	99
94) Hexachlorobutadiene	15.01	225	26074	19.557	ug/l	98
95) Naphthalene	15.13	128	124130	18.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45940	19.508	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBS01

Tot Ion:168 Resp: 186213

Ion Ratio Lower Upper

168 100

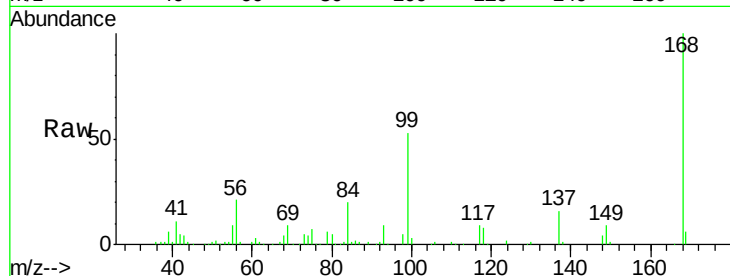
99 52.9 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

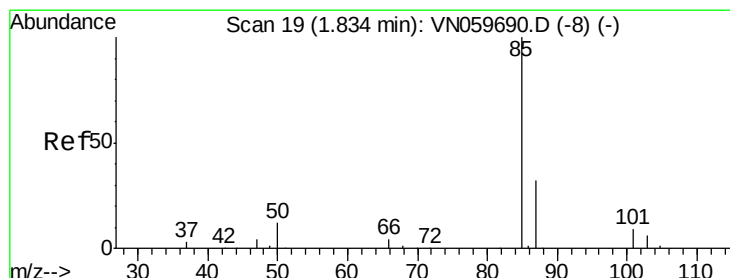
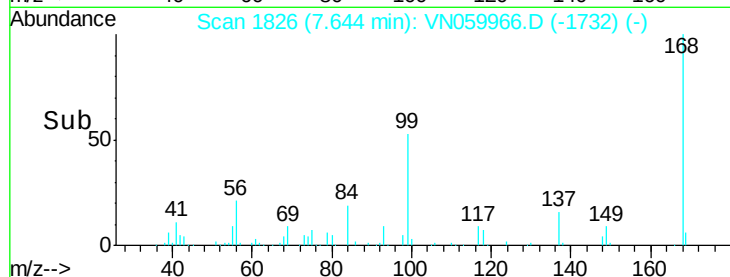
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.750 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059966.D

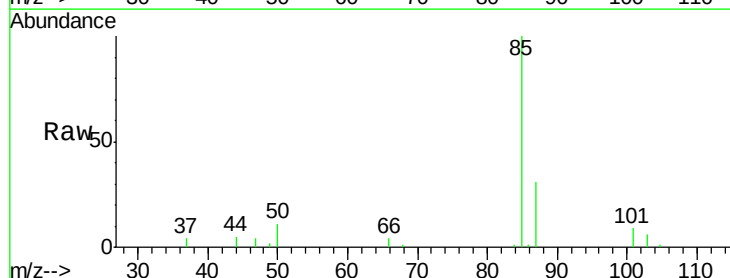
Acq: 3 Feb 2020 11:37

Tgt Ion: 85 Resp: 37537

Ion Ratio Lower Upper

85 100

87 31.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

20000

10000

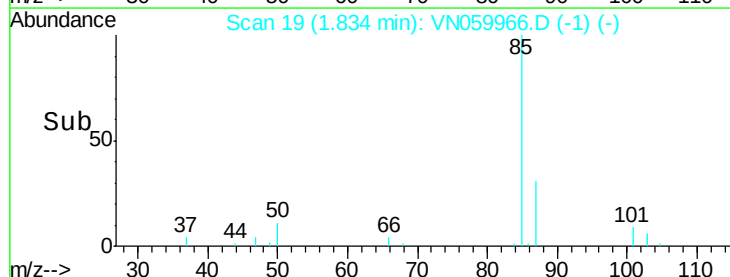
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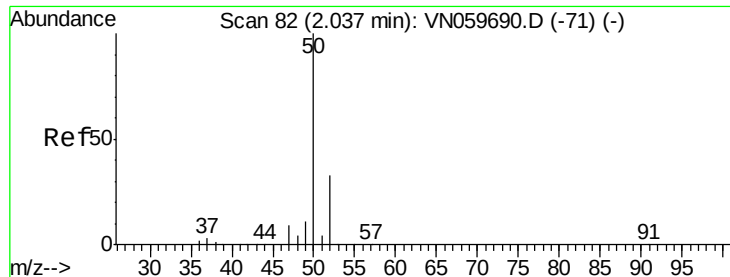
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 17.770 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBS01

Tot Ion: 50 Resp: 37884

Ion Ratio Lower Upper

50 100

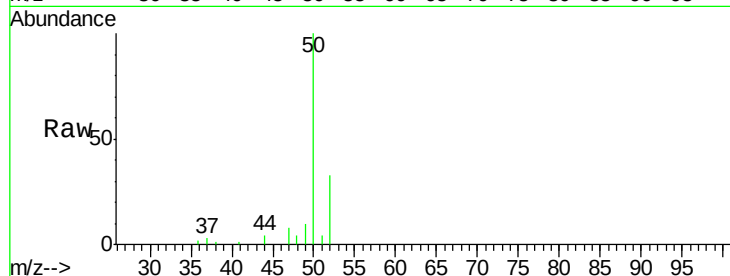
52 32.6 25.9 38.9

Manual Integrations

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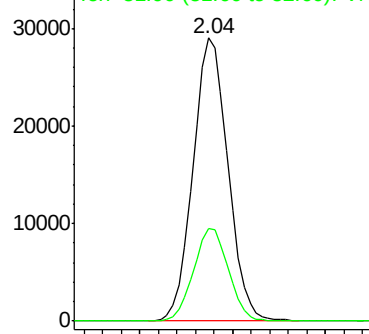
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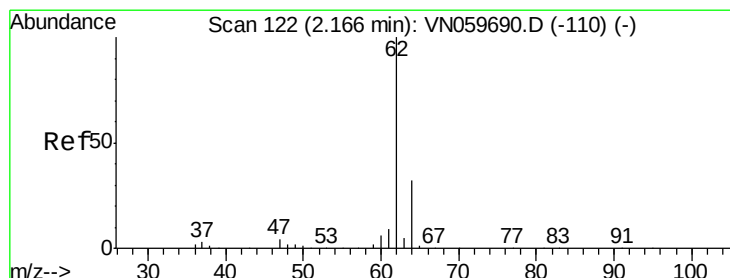
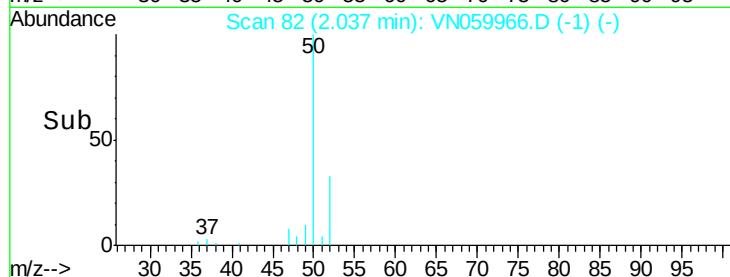


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 19.615 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059966.D

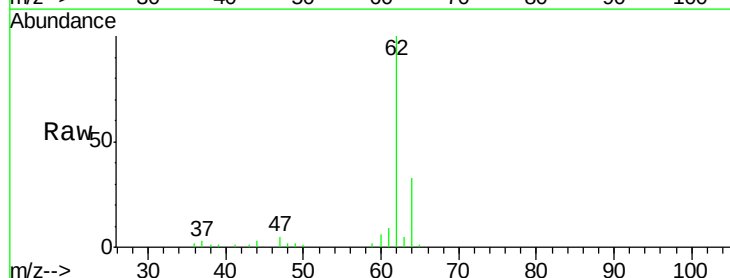
Acq: 3 Feb 2020 11:37

Tgt Ion: 62 Resp: 47846

Ion Ratio Lower Upper

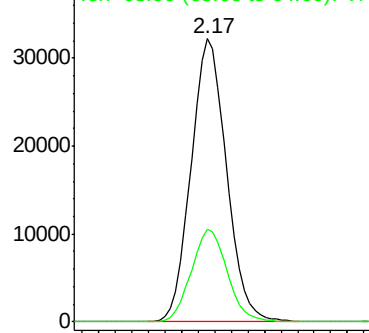
62 100

64 32.6 24.6 37.0

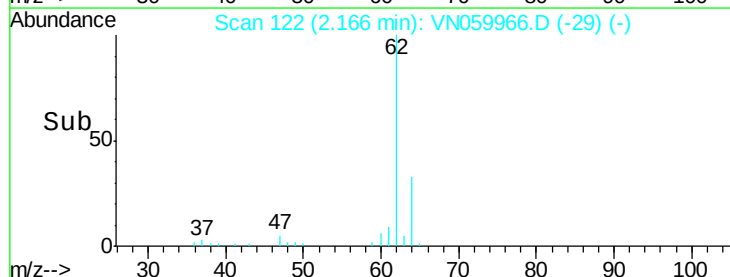


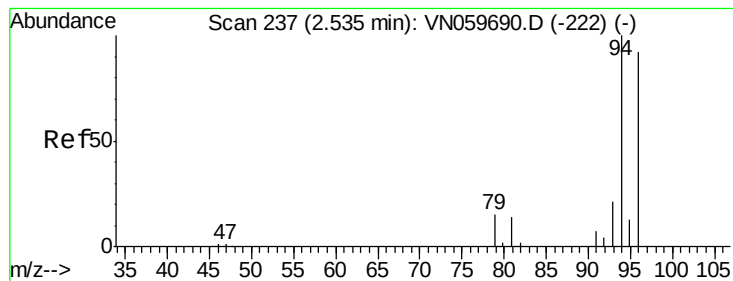
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 19.434 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Tot Ion: 94 Resp: 28929

Ion Ratio Lower Upper

94 100

96 91.5 74.7 112.1

Instrument :

MSVOA_N

ClientSampled :

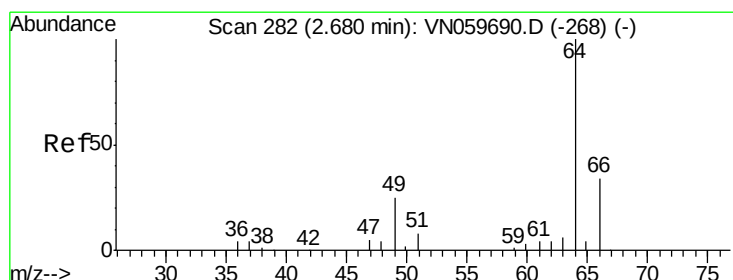
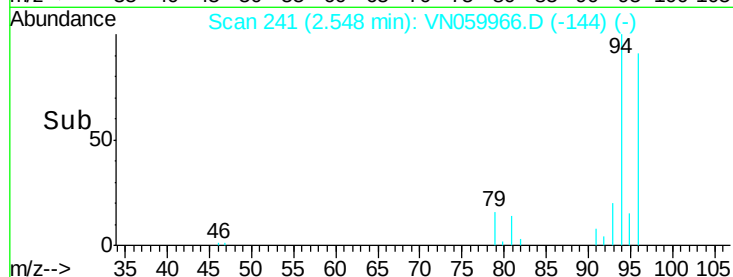
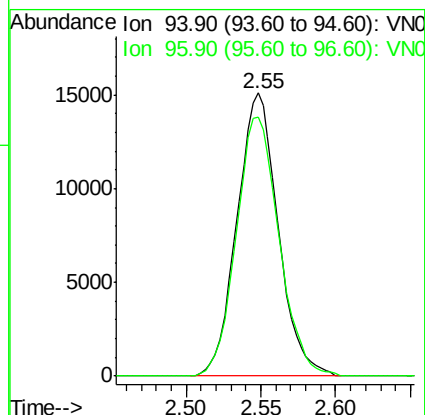
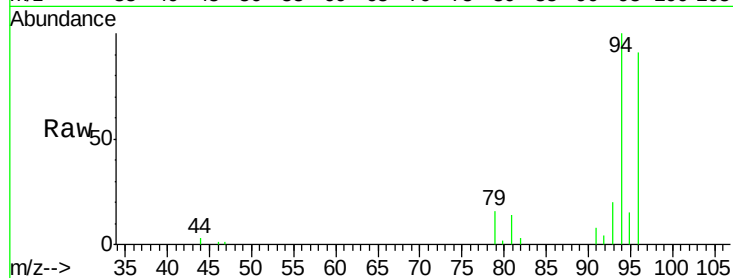
VN0203WBS01

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#6

Chloroethane

Concen: 19.499 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059966.D

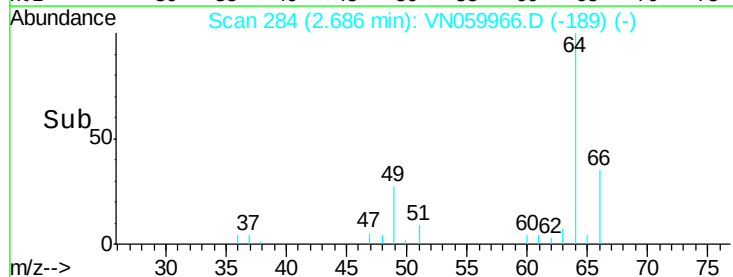
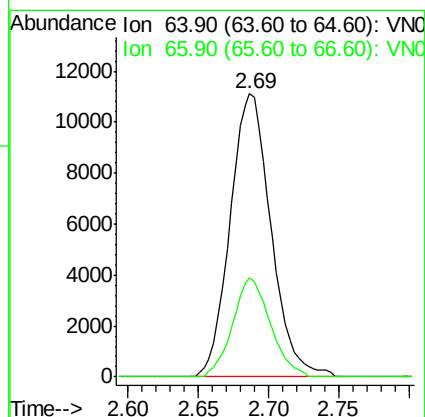
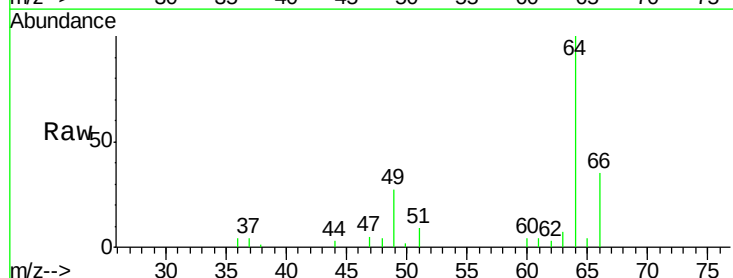
Acq: 3 Feb 2020 11:37

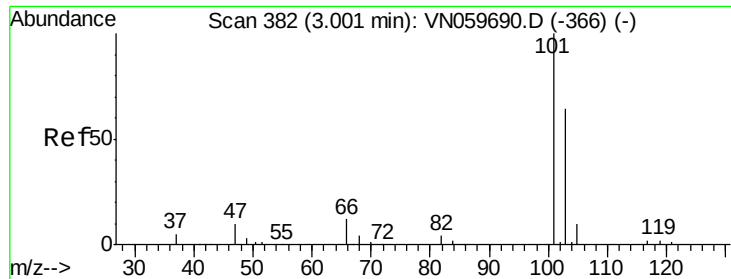
Tgt Ion: 64 Resp: 22502

Ion Ratio Lower Upper

64 100

66 34.8 25.1 37.7





#7

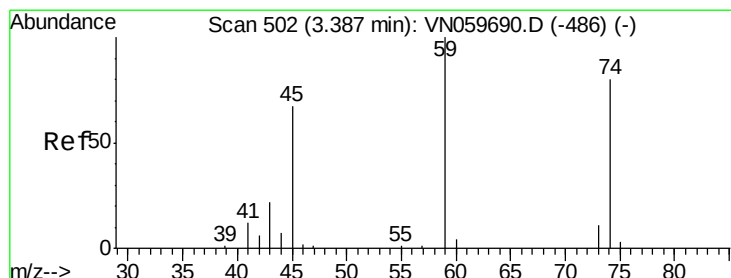
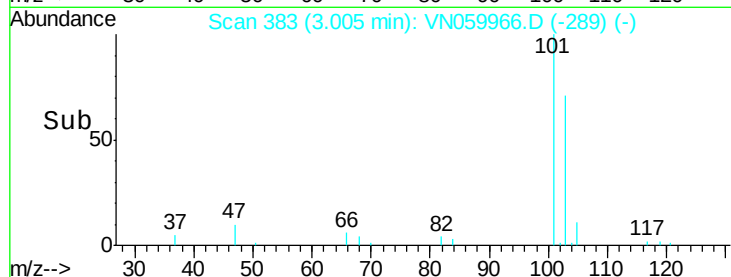
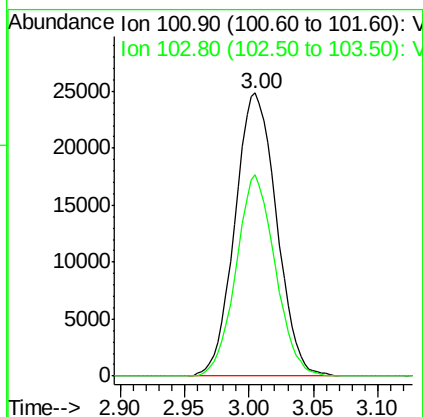
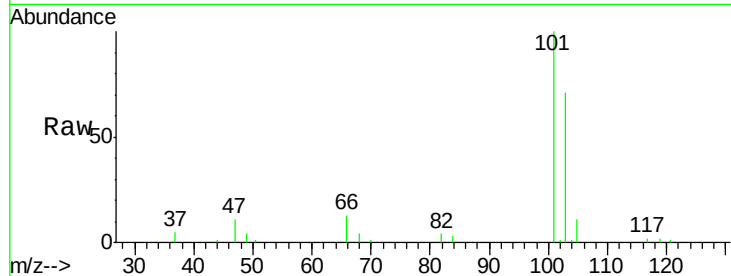
Trichlorofluoromethane
Concen: 19.083 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion:101 Resp: 55903
Ion Ratio Lower Upper
101 100
103 71.0 51.0 76.6

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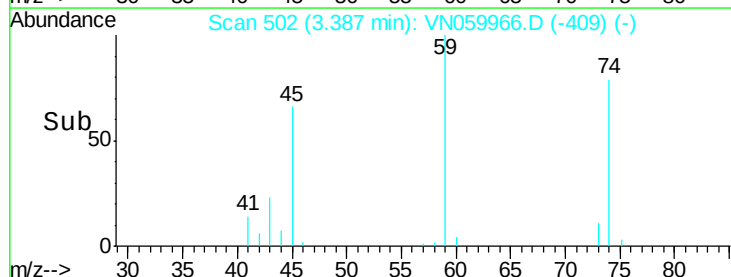
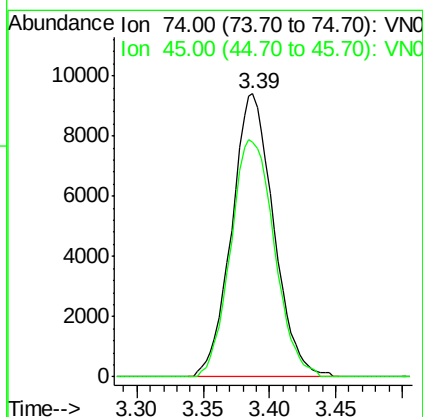
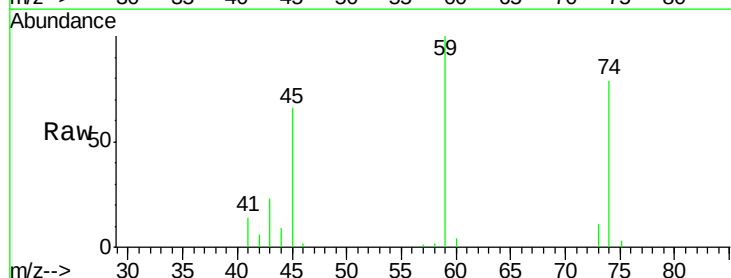
MMDadoda
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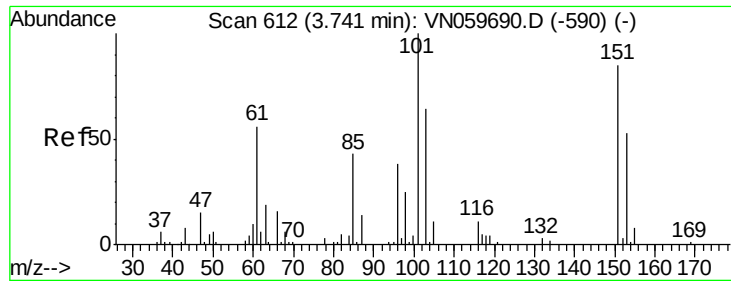


#8

Diethyl Ether
Concen: 20.071 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion: 74 Resp: 20634
Ion Ratio Lower Upper
74 100
45 87.1 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.567 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

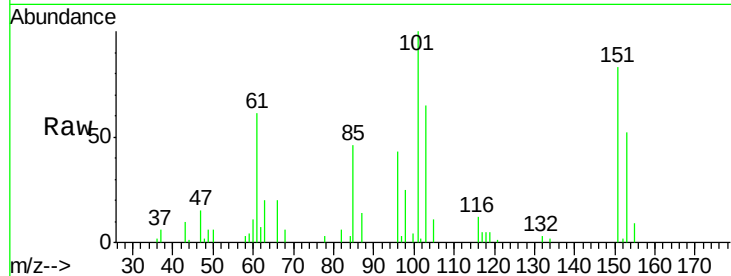
ClientSampled :

VN0203WBS01

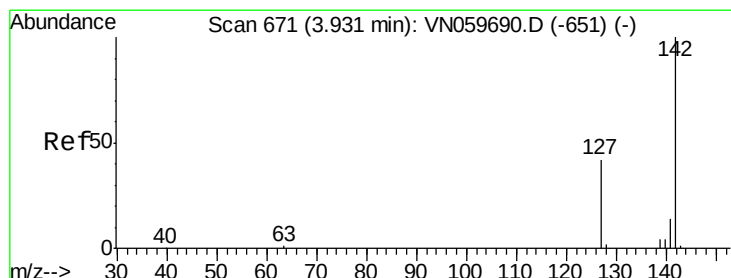
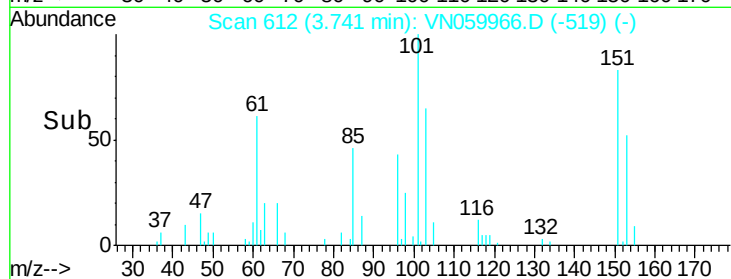
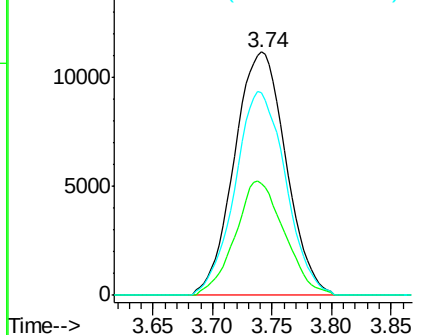
Tot Ion:	101	Resp:	33532
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.6	54.8
151	82.3	59.7	89.5

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



#10

Methyl Iodide

Concen: 15.715 ug/l

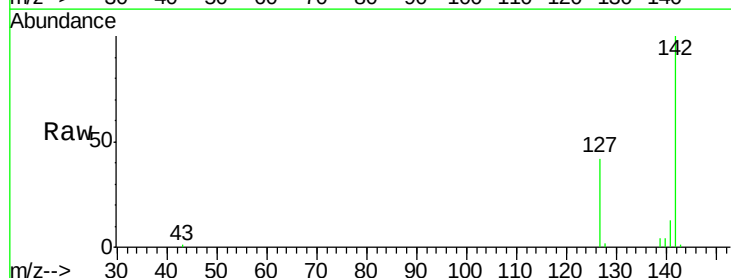
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

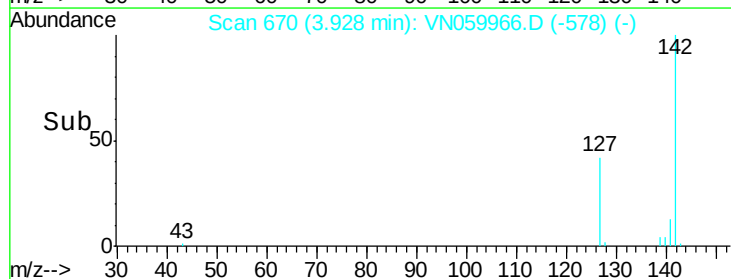
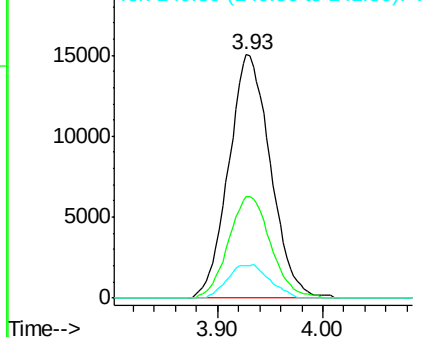
Lab File: VN059966.D

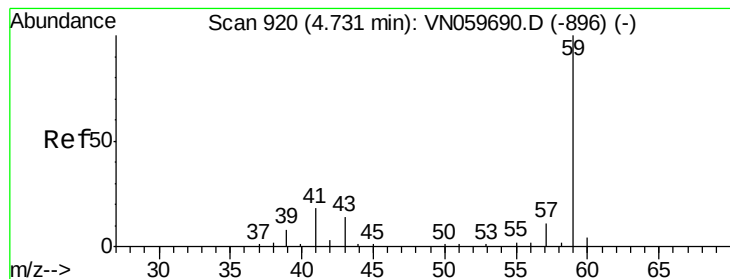
Acq: 3 Feb 2020 11:37

Tgt Ion:	142	Resp:	41416
Ion Ratio	Lower	Upper	
142	100		
127	42.0	36.7	55.1
141	13.7	11.7	17.5



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





#11

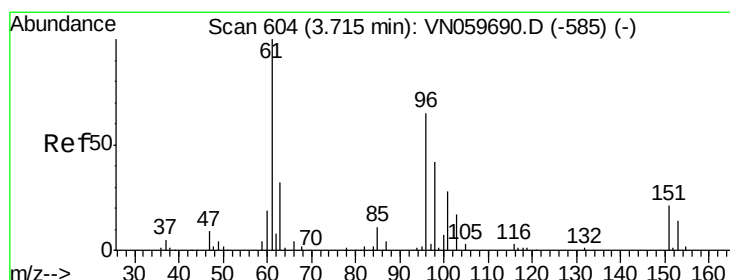
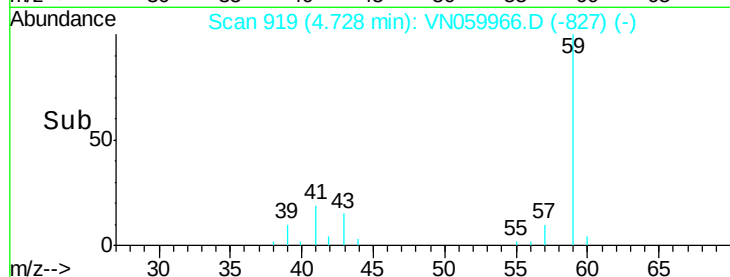
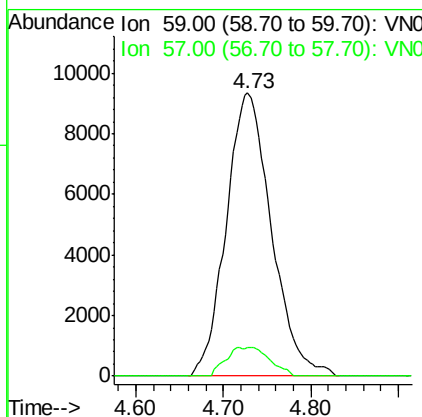
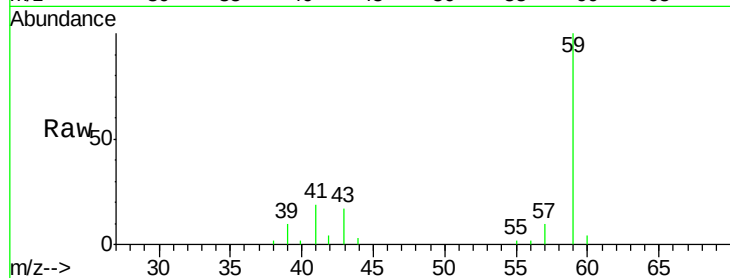
Tert butyl alcohol
 Concen: 96.192 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.9	8.6	12.8#

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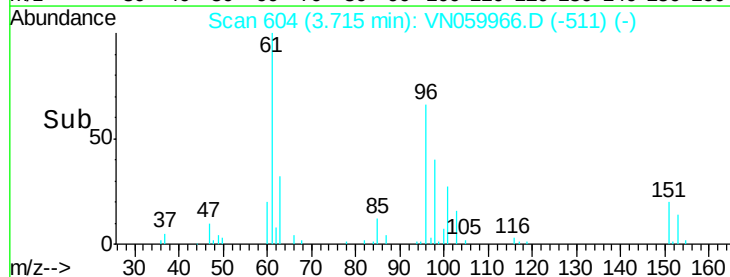
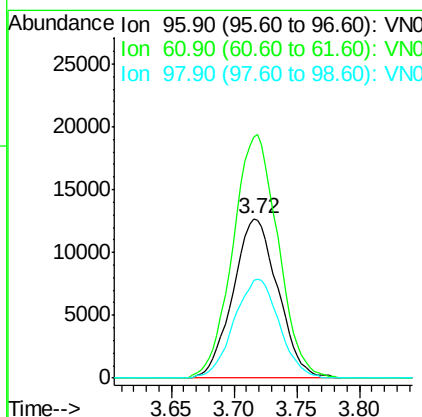
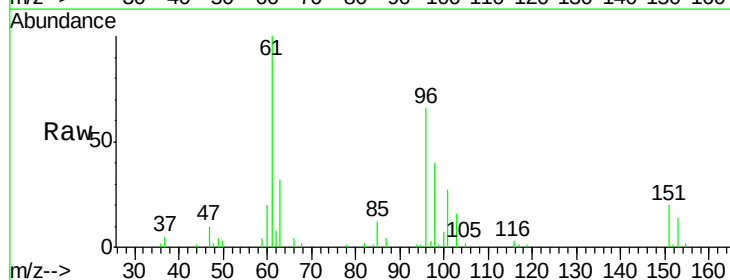
MMDadoda
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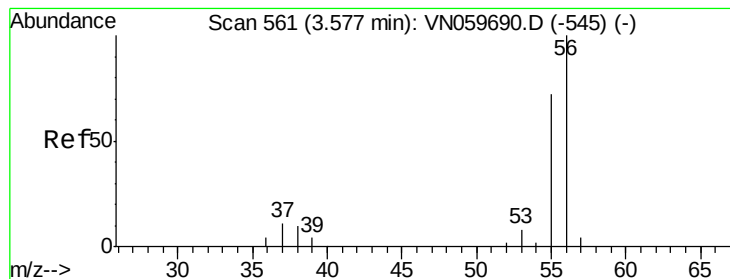


#12

1,1-Dichloroethene
 Concen: 18.505 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	137.5	206.3
98	61.0	50.2	75.4





#13

Acrolein

Concen: 48.865 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBS01

Tot Ion: 56 Resp: 12042

Ion Ratio Lower Upper

56 100

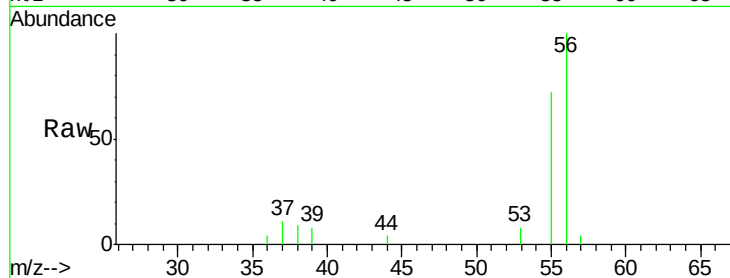
55 70.8 58.6 88.0

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Abundance Ion 56.00 (55.70 to 56.70): VN059966.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN059966.D (-468) (-)

3.58

4000

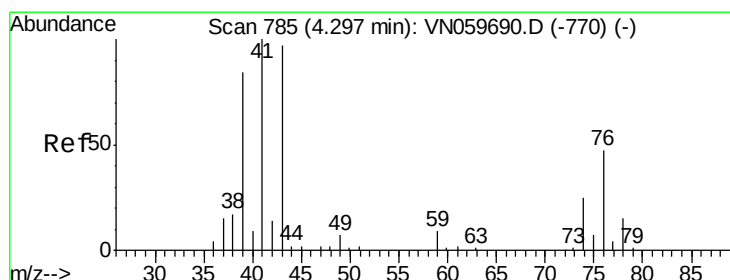
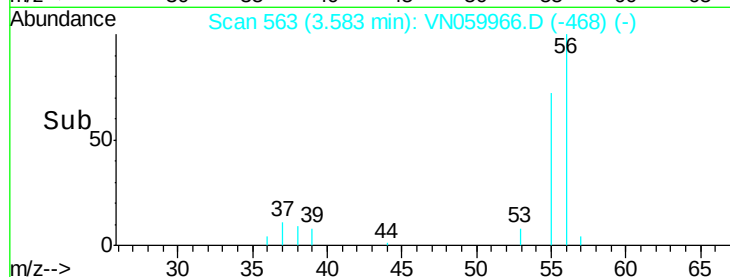
3000

2000

1000

0

Time--> 3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 21.393 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

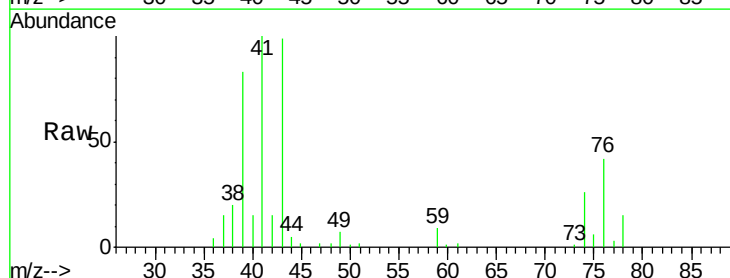
Tgt Ion: 41 Resp: 49126

Ion Ratio Lower Upper

41 100

39 75.4 57.8 86.8

76 38.2 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059966.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059966.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059966.D (-692) (-)

4.30

20000

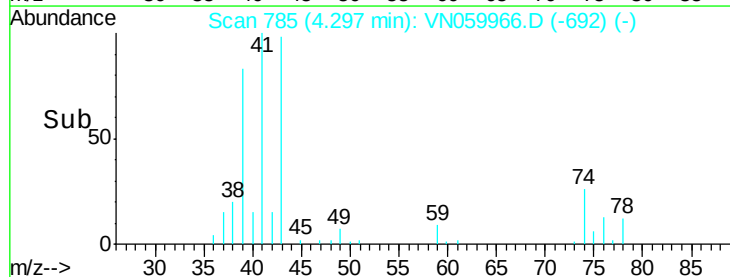
15000

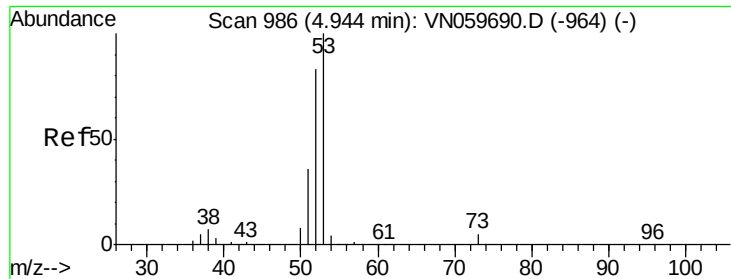
10000

5000

0

Time--> 4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 99.647 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

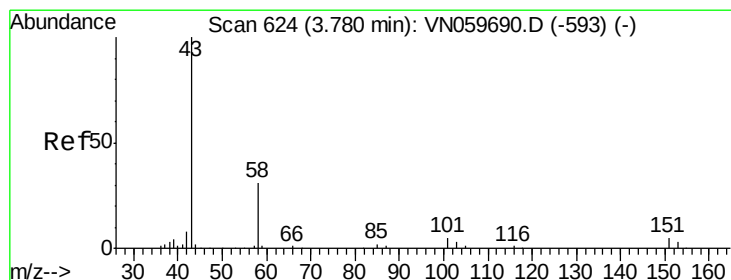
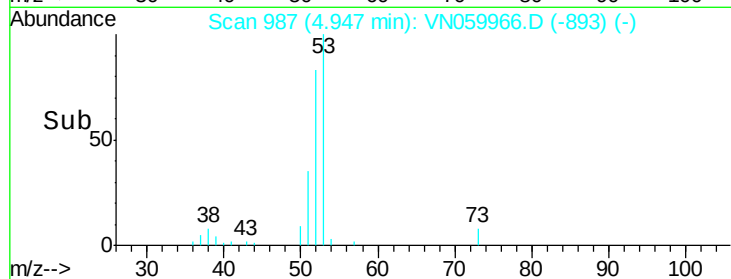
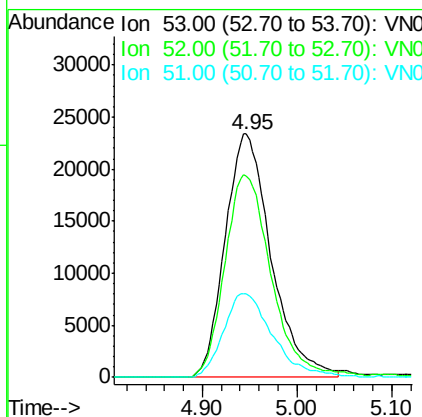
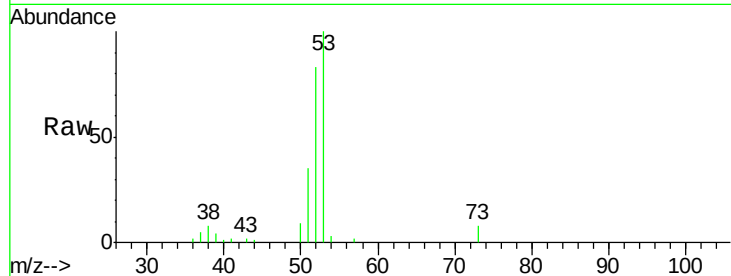
ClientSampleId :

VN0203WBS01

Tot Ion:	53	Resp:	79130
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.3	99.5
51	36.9	29.7	44.5

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#16

Acetone

Concen: 132.747 ug/l

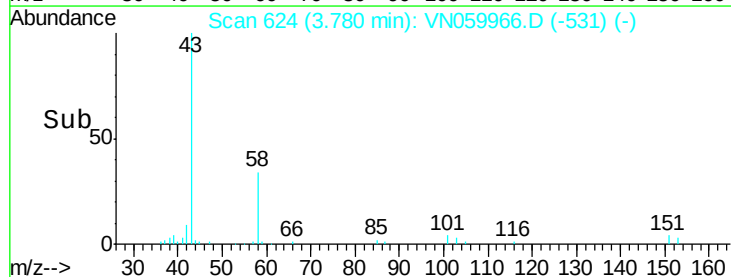
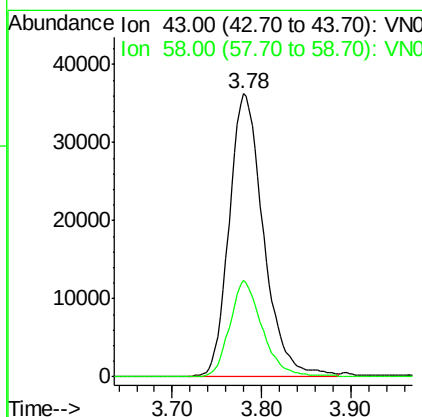
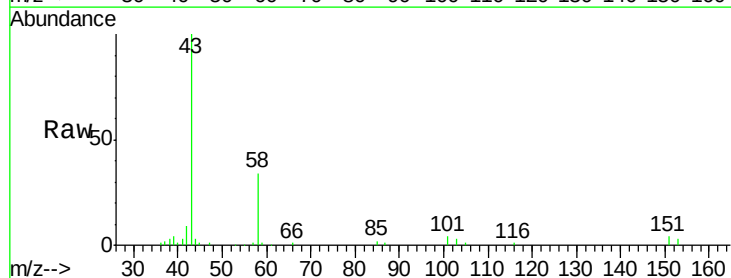
RT: 3.78 min Scan# 624

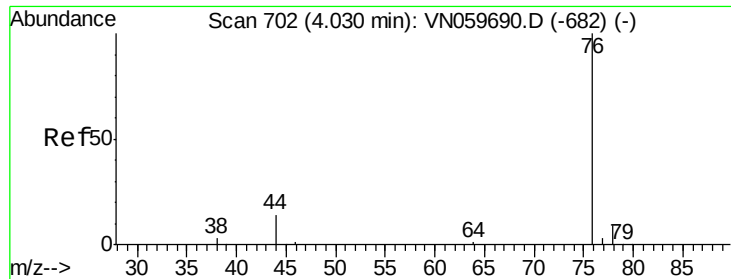
Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Tgt Ion:	43	Resp:	96940
Ion	Ratio	Lower	Upper
43	100		
58	34.2	23.6	35.4





#17

Carbon Disulfide

Concen: 15.973 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0203WBS01

Tot Ion: 76 Resp: 77520

Ion Ratio Lower Upper

76 100

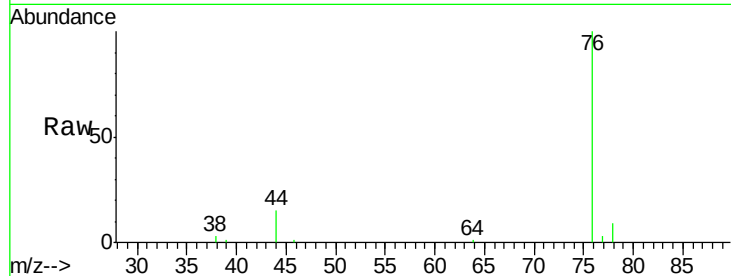
78 9.0 7.4 11.0

Manual Integrations

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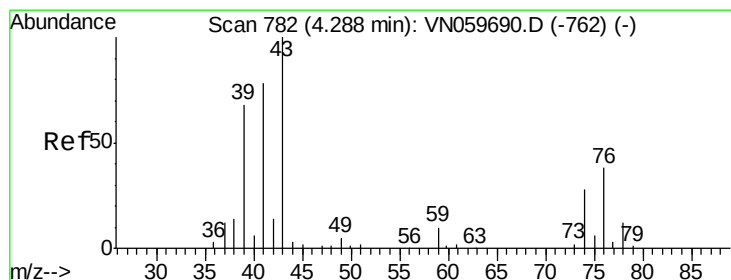
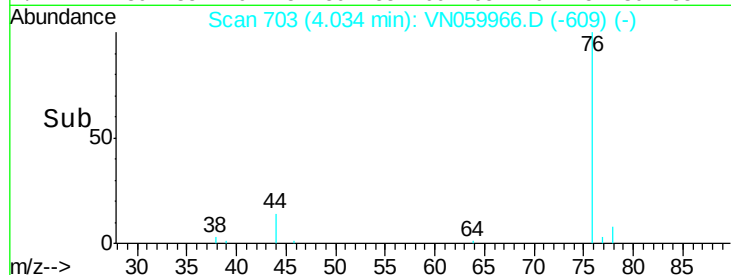
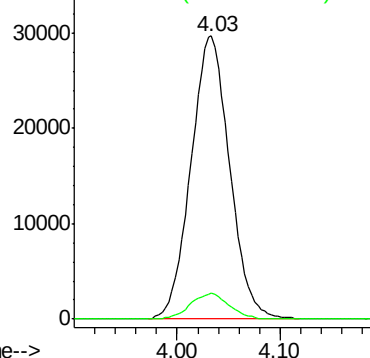
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.472 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059966.D

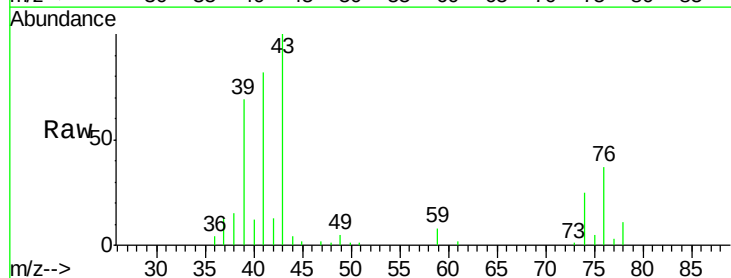
Acq: 3 Feb 2020 11:37

Tgt Ion: 43 Resp: 49450

Ion Ratio Lower Upper

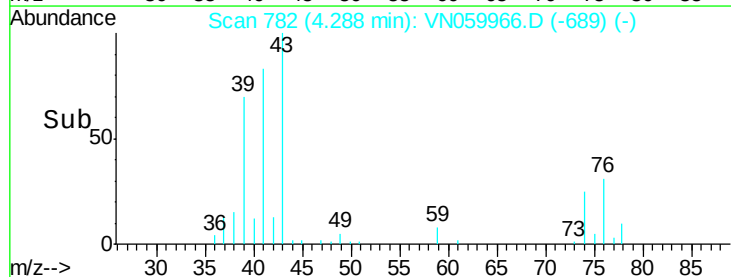
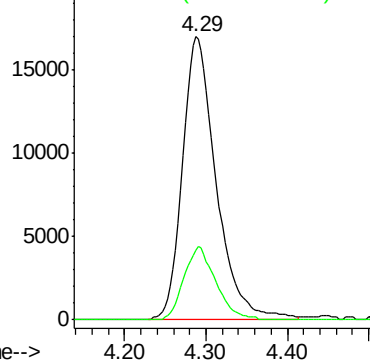
43 100

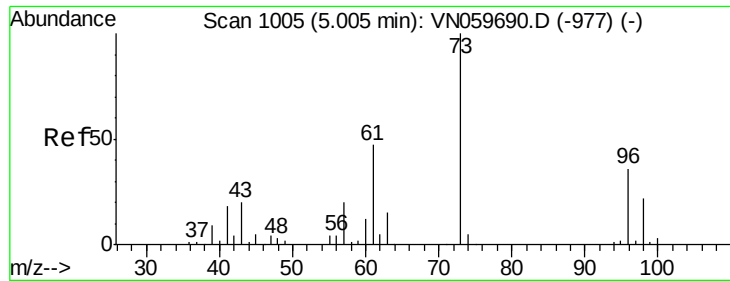
74 24.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





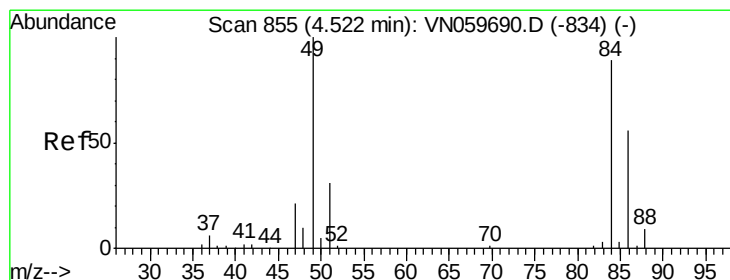
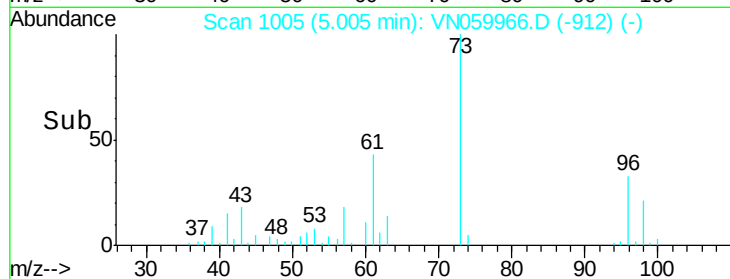
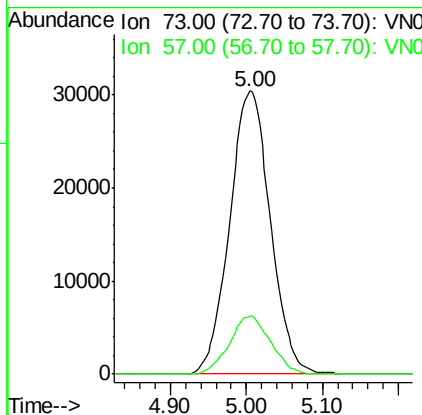
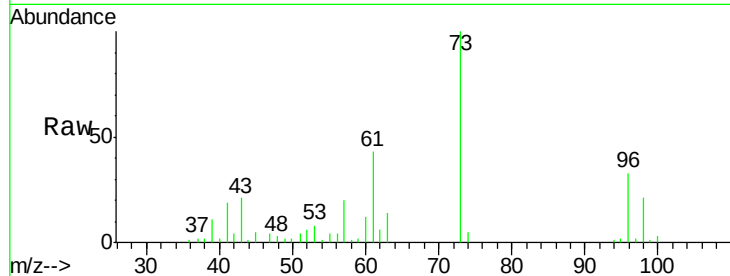
#19
Methyl tert-butyl Ether
Concen: 20.379 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion: 73 Resp: 113200
Ion Ratio Lower Upper
73 100
57 20.3 18.6 27.8

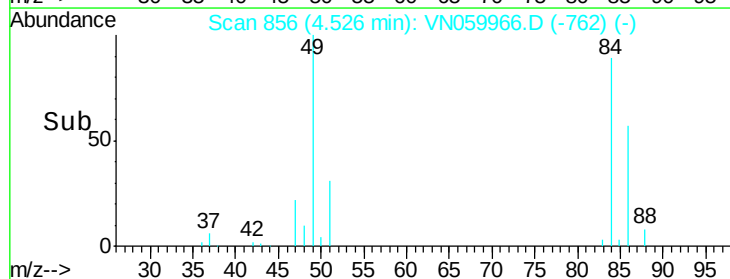
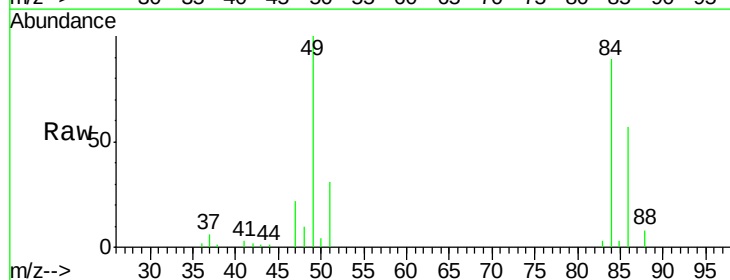
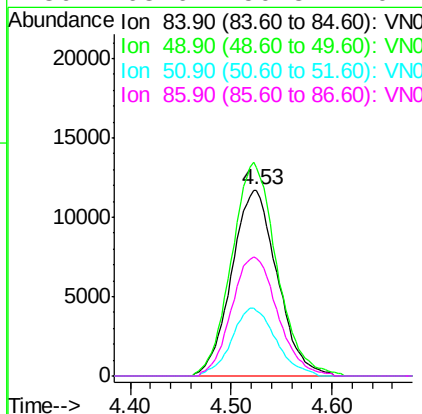
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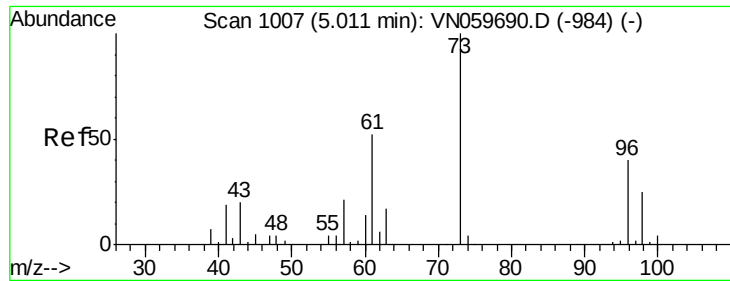
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#20
Methylene Chloride
Concen: 18.844 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion: 84 Resp: 36764
Ion Ratio Lower Upper
84 100
49 112.3 106.6 160.0
51 35.2 31.9 47.9
86 63.6 50.8 76.2





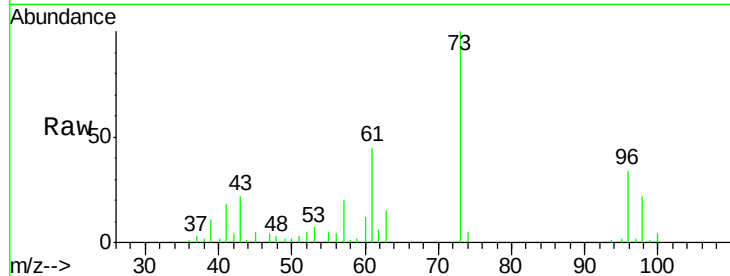
#21
trans-1,2-Dichloroethene
Concen: 18.717 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

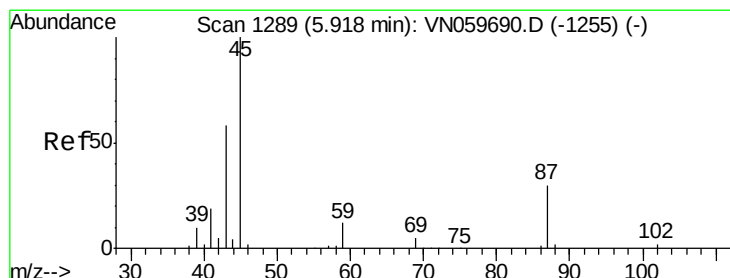
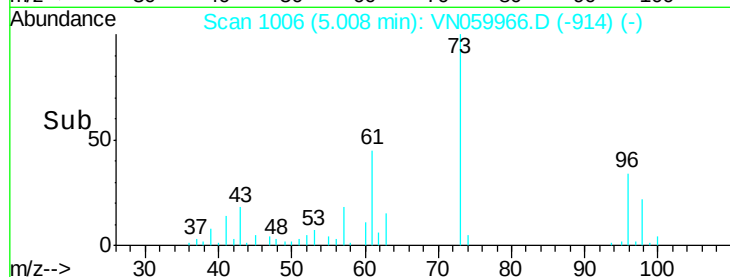
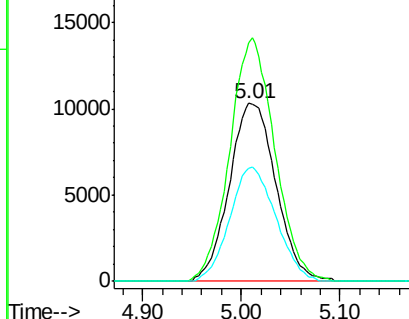
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	120.4	180.6
98	63.8	50.6	75.8

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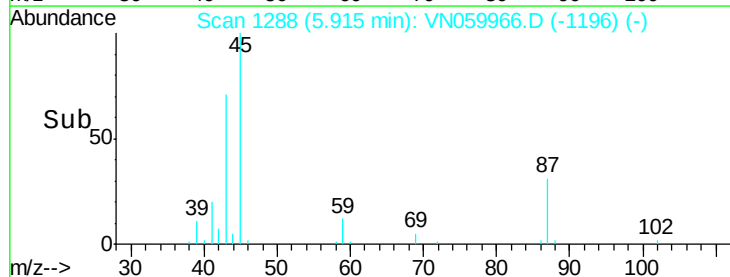
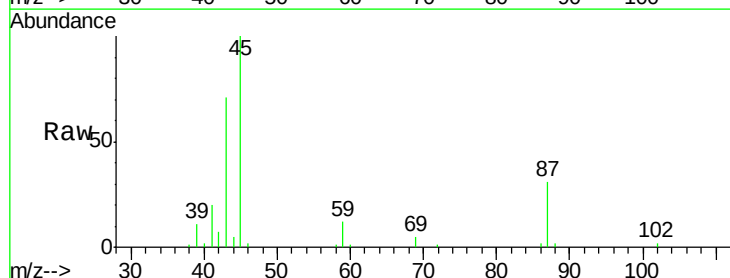
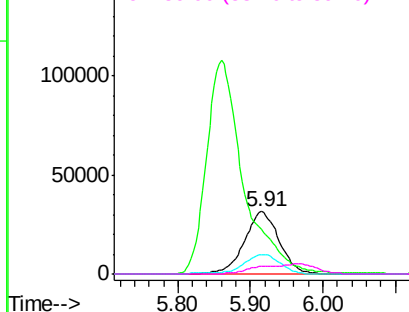
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

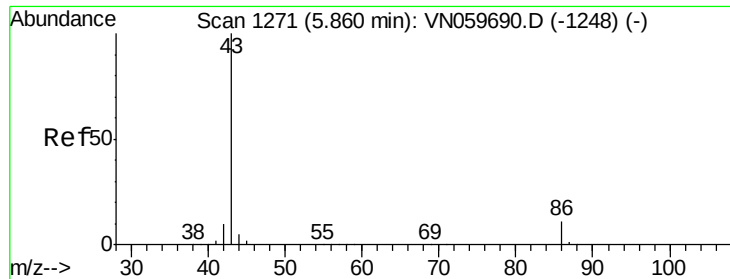


#22
Diisopropyl ether
Concen: 20.193 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.3	50.8	76.2
87	31.1	21.0	31.6
59	12.1	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 94.902 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0203WBS01

Tot Ion: 43 Resp: 382368

Ion Ratio Lower Upper

43 100

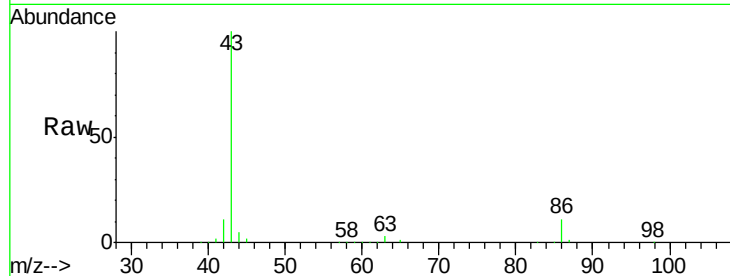
86 11.1 7.6 11.4

Manual Integrations

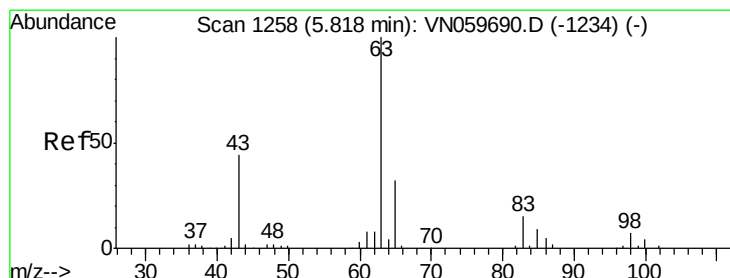
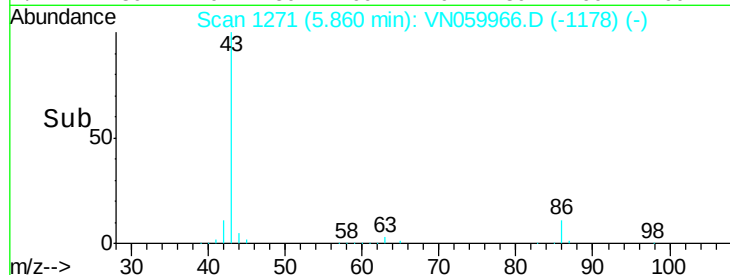
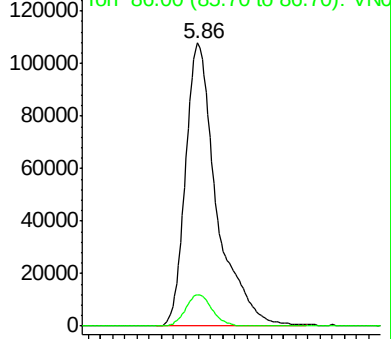
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Abundance Ion 43.00 (42.70 to 43.70): VN059966.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 19.943 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

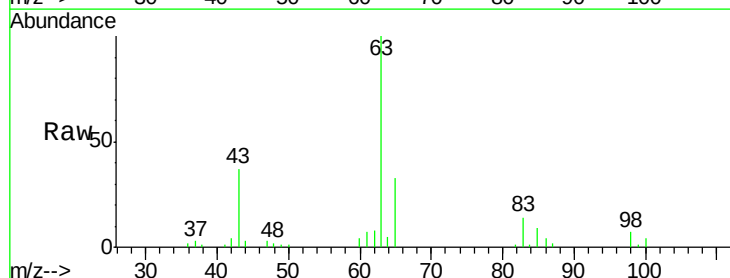
Tgt Ion: 63 Resp: 63412

Ion Ratio Lower Upper

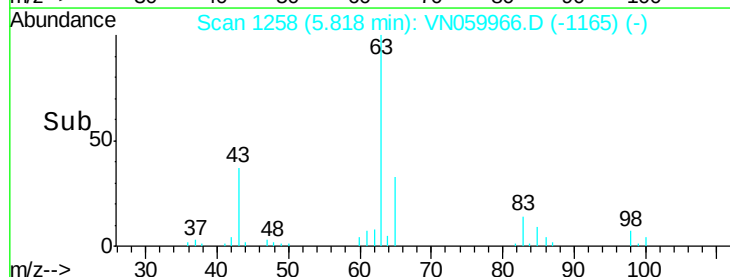
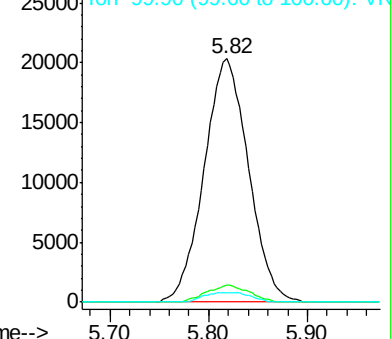
63 100

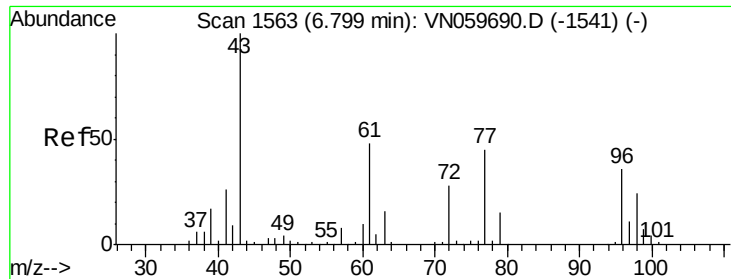
98 6.8 2.9 8.7

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059966.D (-1165) (-)





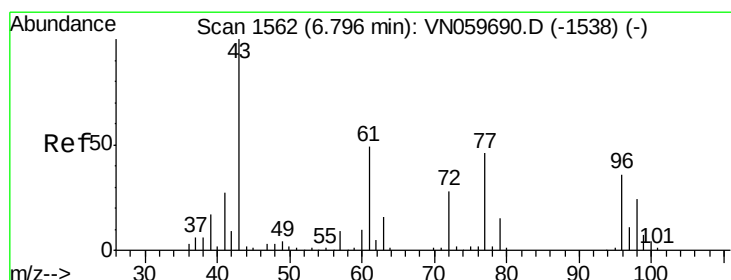
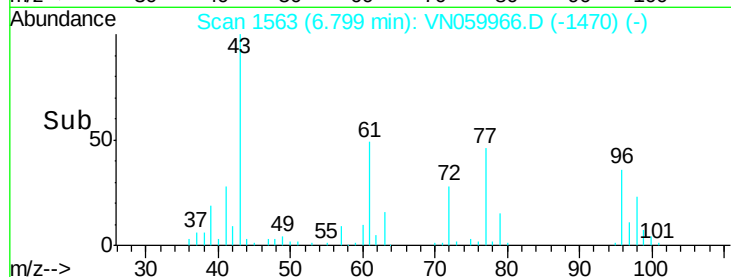
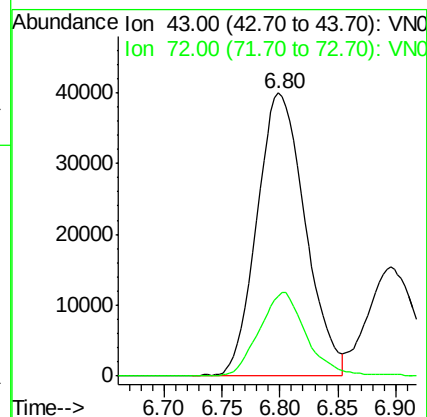
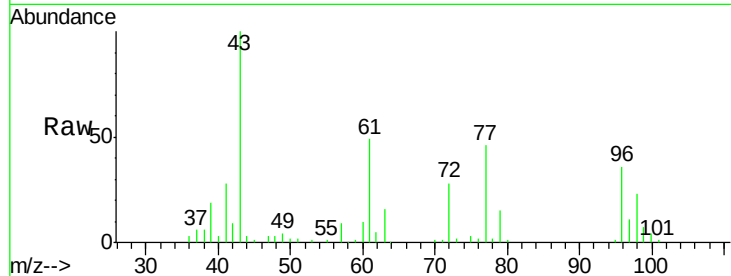
#25
2-Butanone
Concen: 98.829 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion: 43 Resp: 115735
Ion Ratio Lower Upper
43 100
72 28.4 19.9 29.9

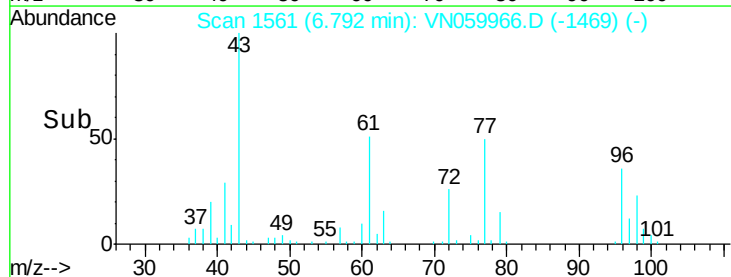
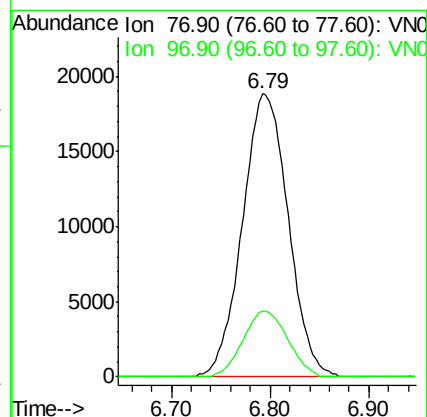
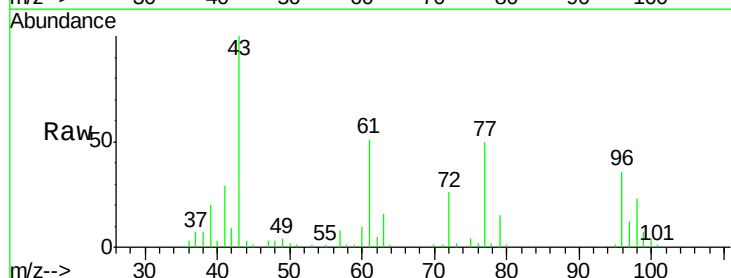
Manual Integrations
APPROVED

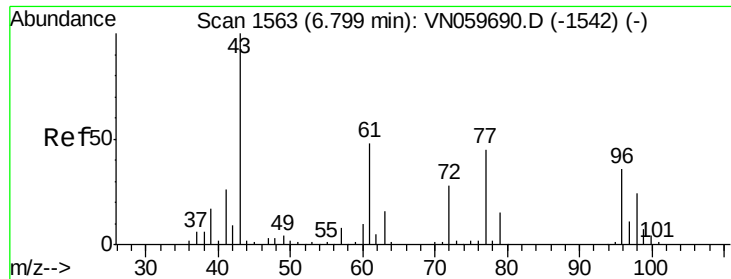
MMDadoda
2/4/2020 11:20:25 AM



#26
2,2-Dichloropropane
Concen: 19.812 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion: 77 Resp: 60562
Ion Ratio Lower Upper
77 100
97 22.7 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.916 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

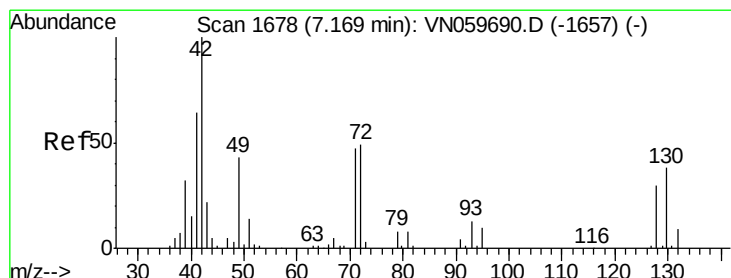
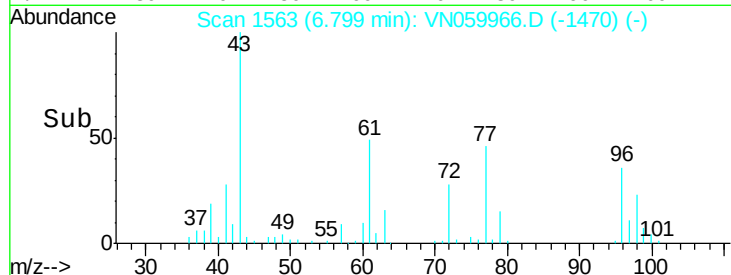
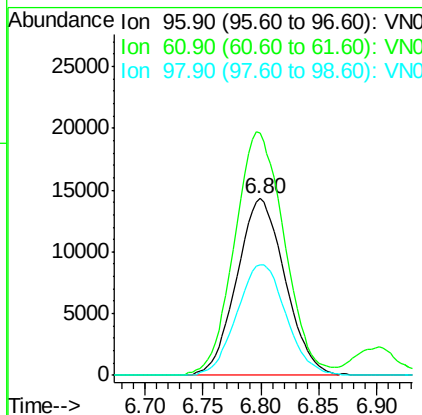
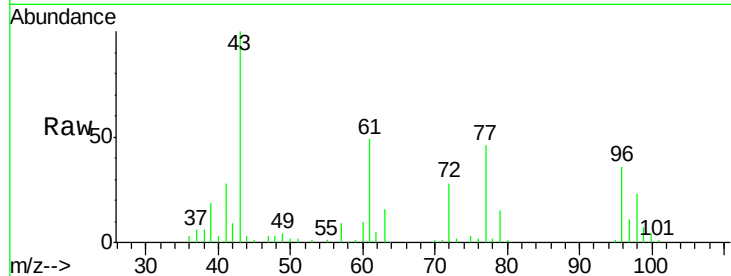
ClientSampled :

VN0203WBS01

Tot Ion:	96	Resp:	41484
Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	317.6
98	63.9	0.0	127.0

Manual Integrations
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MMDadoda
2/4/2020 11:20:25 AM



#28

Bromochloromethane

Concen: 19.350 ug/l

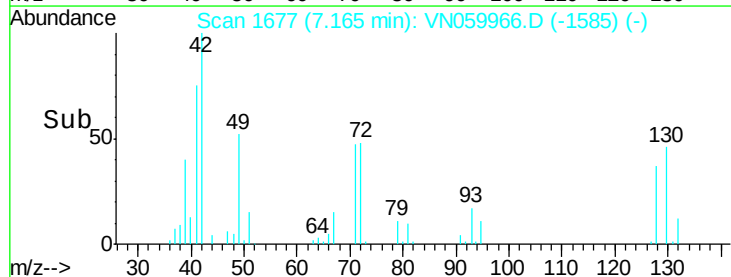
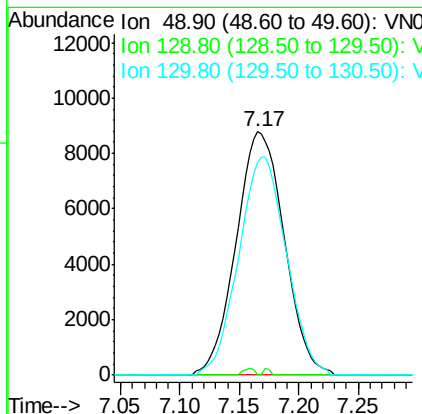
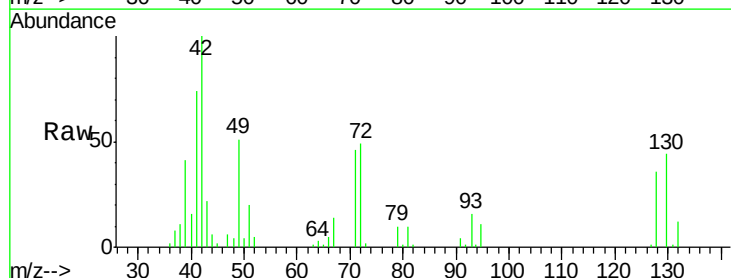
RT: 7.17 min Scan# 1677

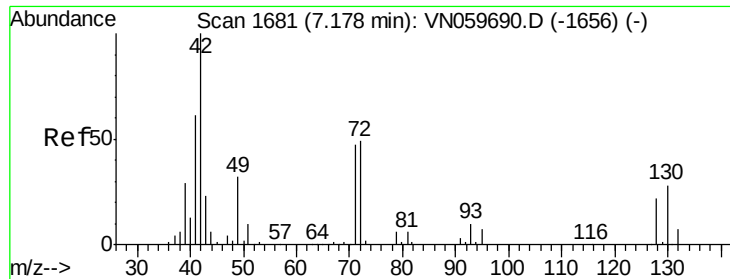
Delta R.T. -0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Tgt Ion:	49	Resp:	24591
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.4
130	88.7	54.7	82.1#





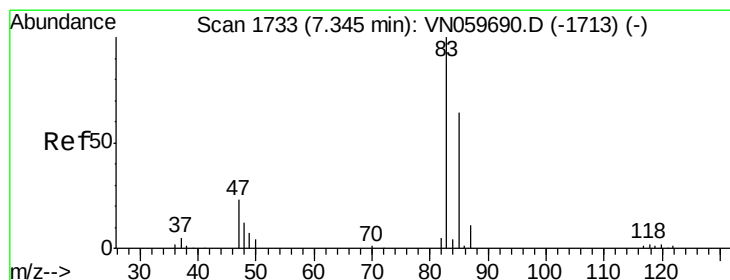
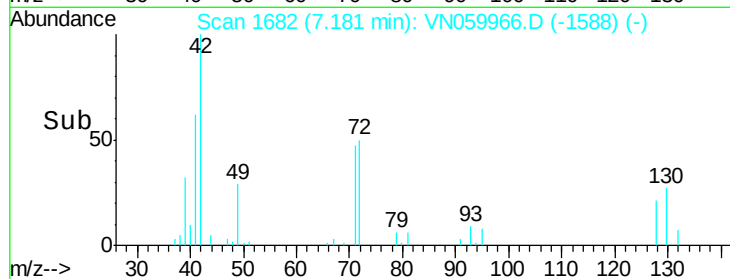
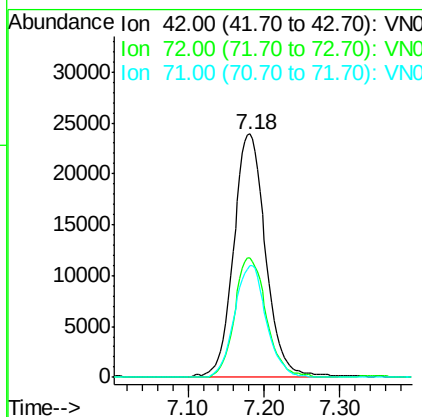
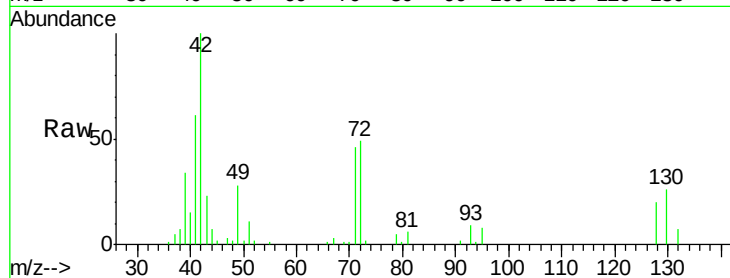
#29
Tetrahydrofuran
Concen: 96.621 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	33.1	49.7
71	45.5	31.4	47.0

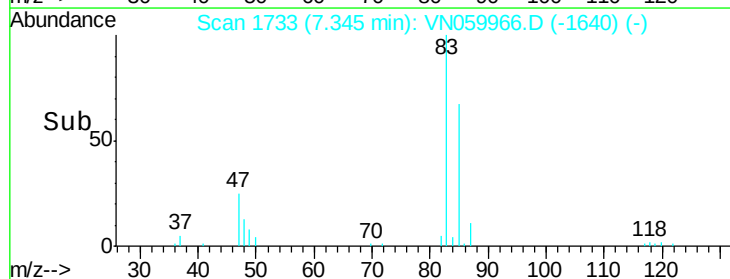
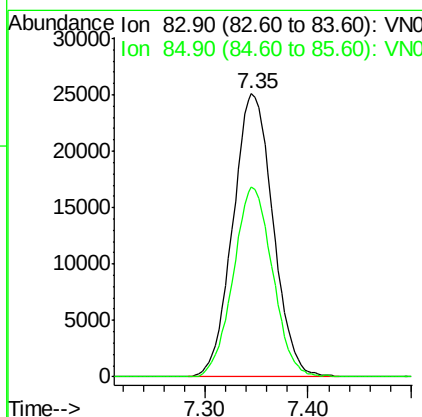
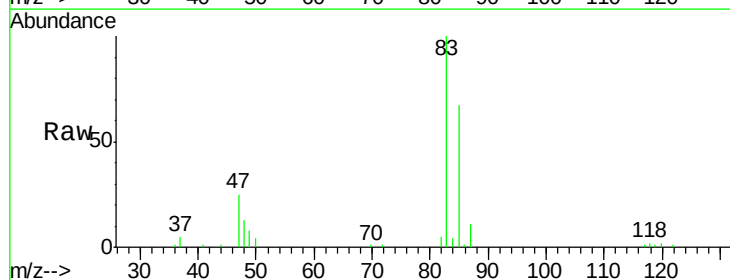
Manual Integrations
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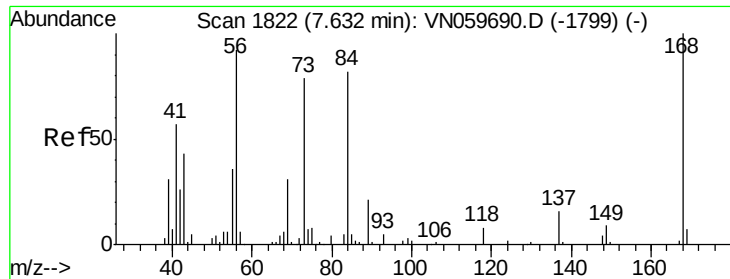
MMDadoda
2/4/2020 11:20:25 AM



#30
Chloroform
Concen: 20.606 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.4	78.6





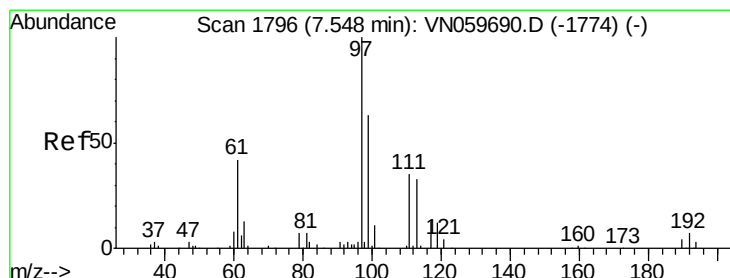
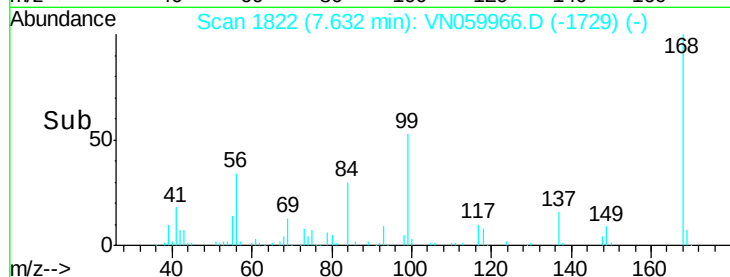
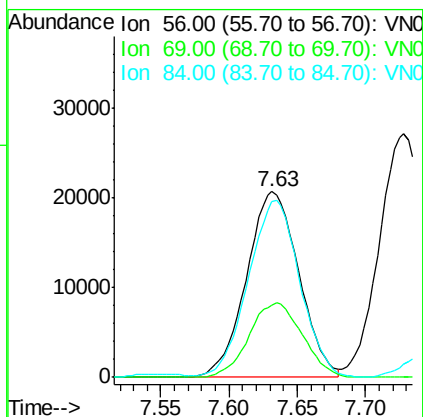
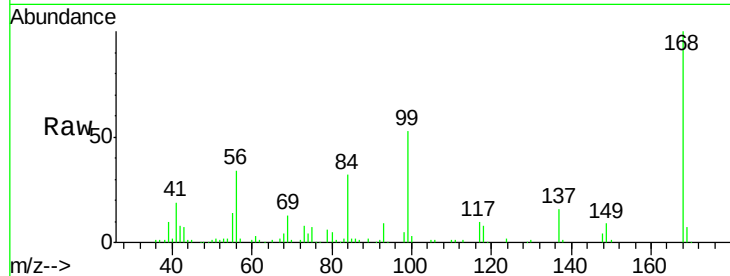
#31
Cyclohexane
Concen: 18.002 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	26.5	39.7
84	93.5	65.3	97.9

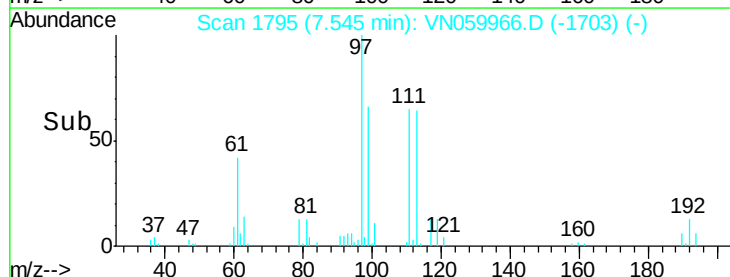
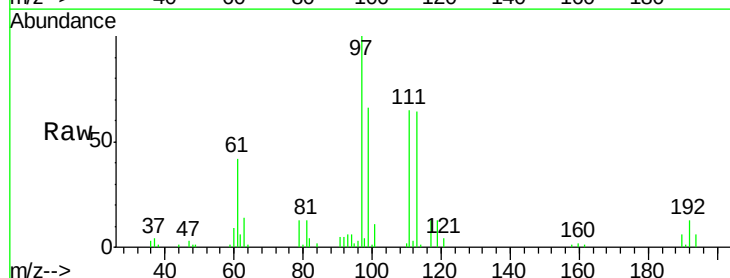
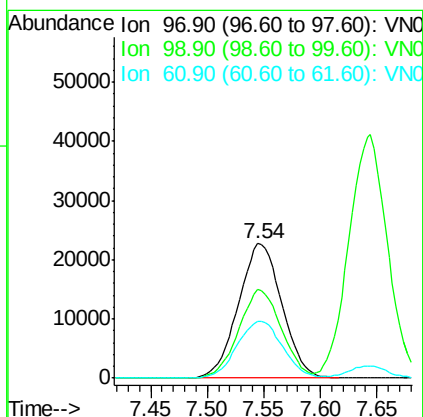
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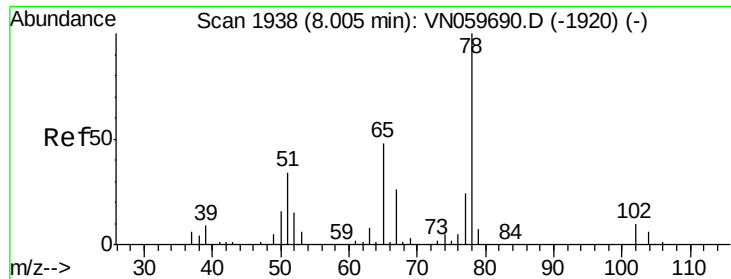
MMDadoda
2/4/2020 11:20:25 AM



#32
1,1,1-Trichloroethane
Concen: 19.987 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	43.9	38.5	57.7





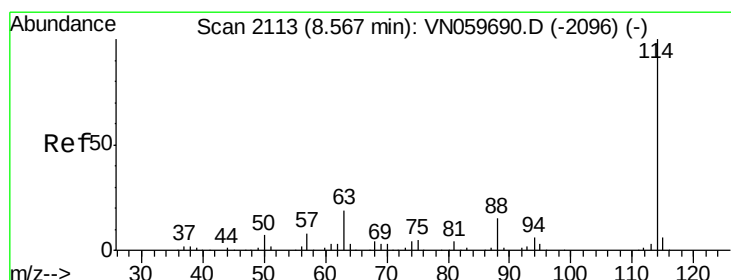
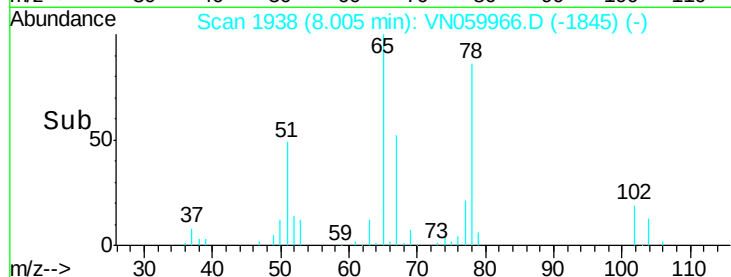
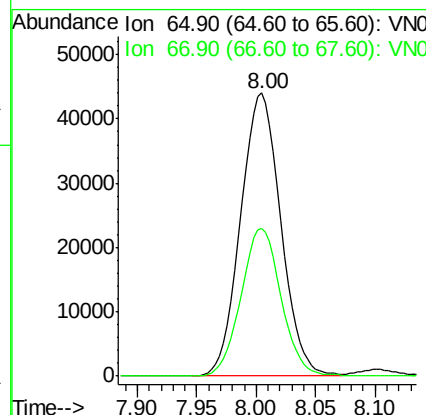
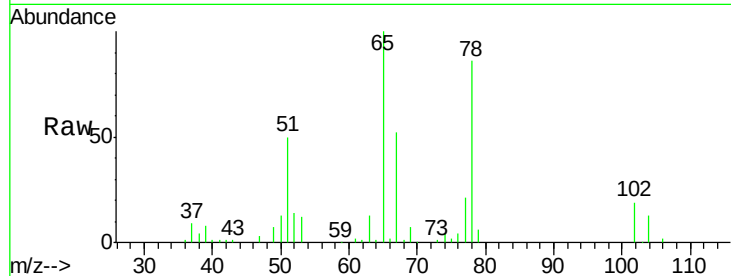
#33
 1,2-Dichloroethane-d4
 Concen: 49.890 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	103169		
67	51.7	0.0	103.0	

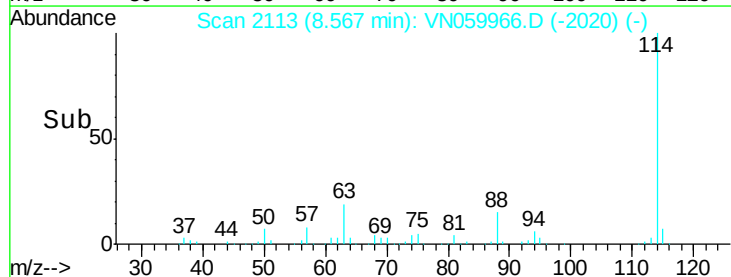
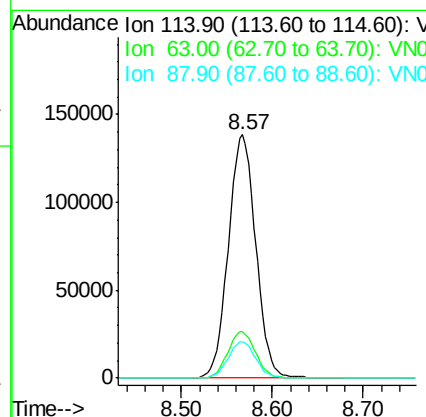
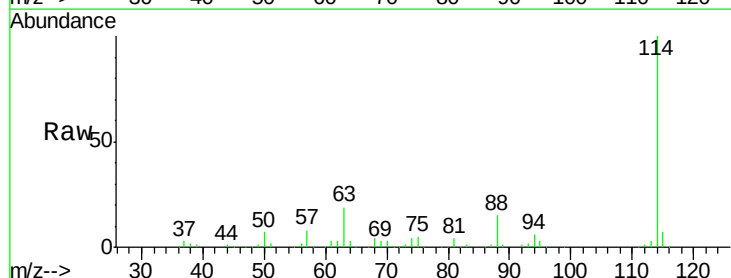
Manual Integrations
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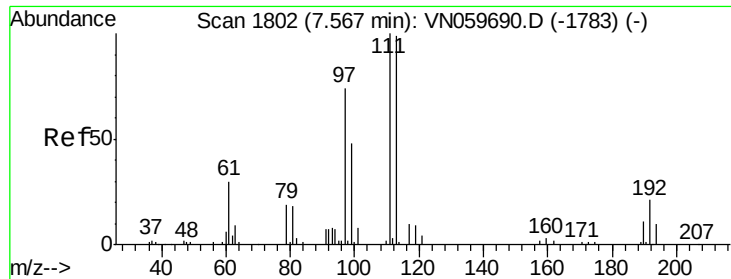
MMDadoda
 2/4/2020 11:20:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	289804		
63	19.0	0.0	43.6	
88	15.1	0.0	31.4	





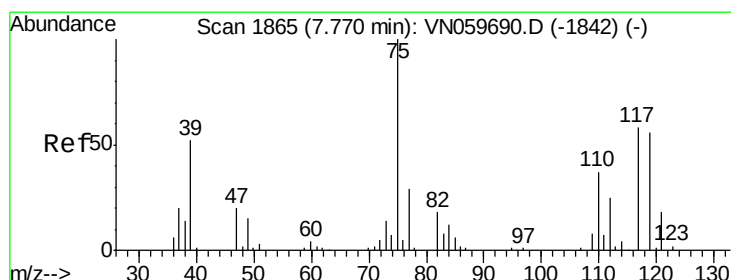
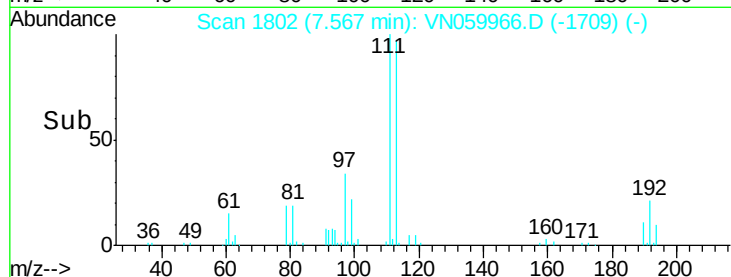
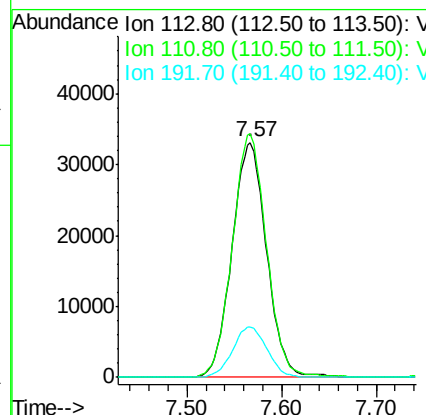
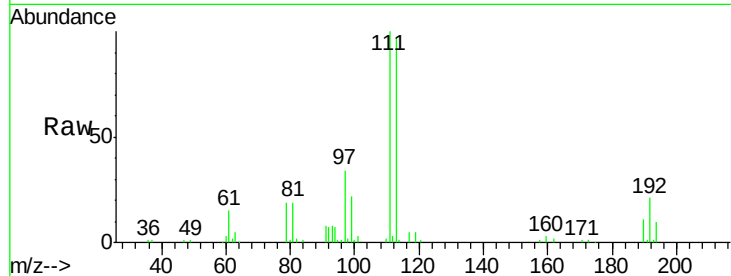
#35
 Dibromofluoromethane
 Concen: 48.681 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.5	125.3
192	21.3	15.4	23.2

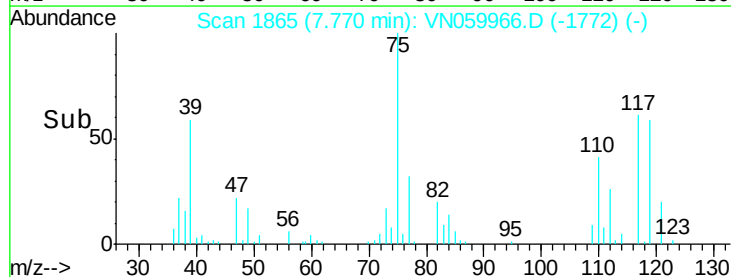
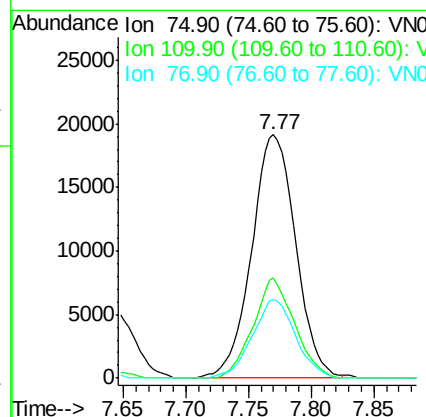
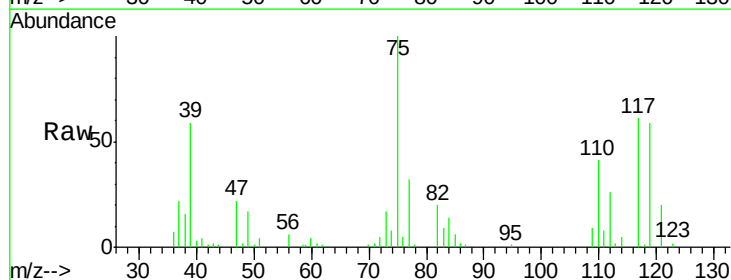
Manual Integrations
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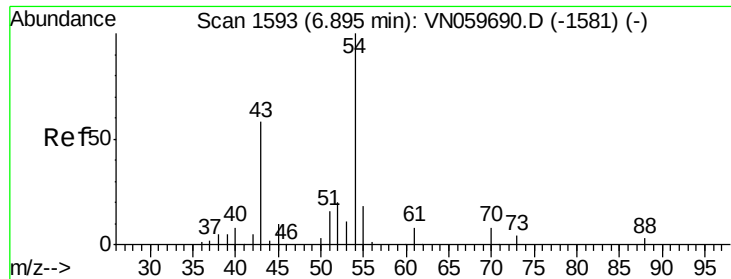
MMDadoda
 2/4/2020 11:20:25 AM



#36
 1,1-Dichloropropene
 Concen: 18.568 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	16.6	49.7
77	31.5	25.1	37.7





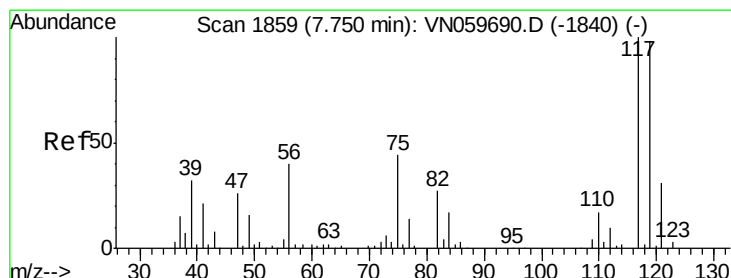
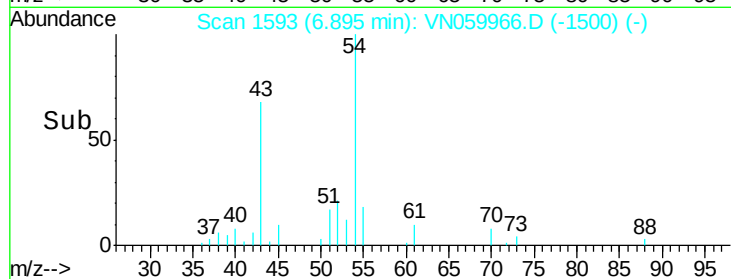
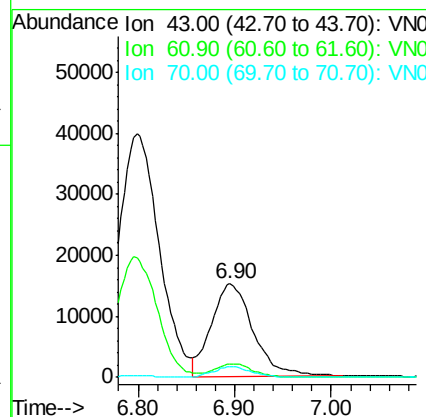
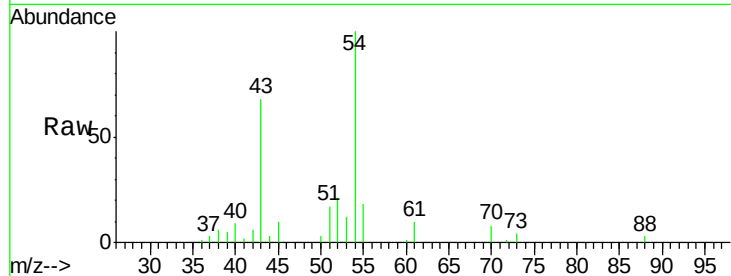
#37
Ethyl Acetate
Concen: 19.304 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.3	10.9	16.3	
70	10.4	7.7	11.5	

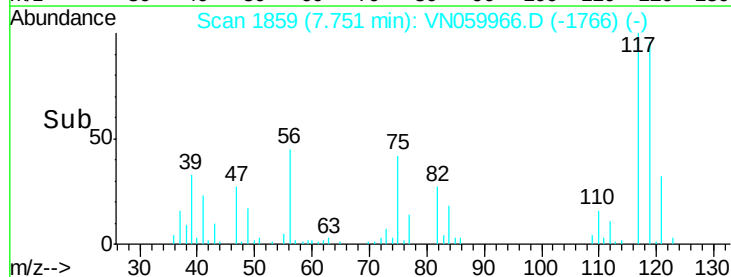
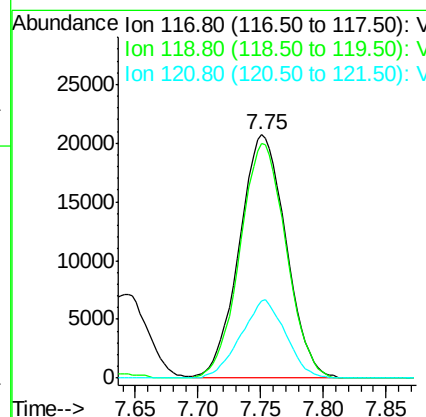
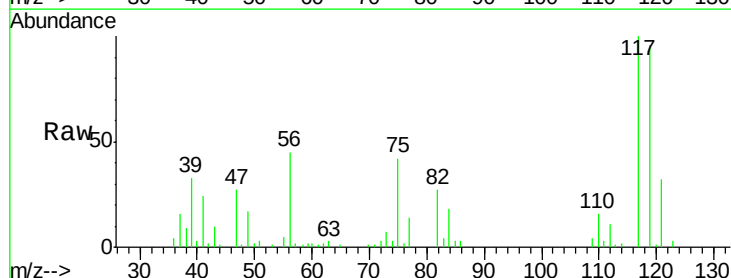
Manual Integrations
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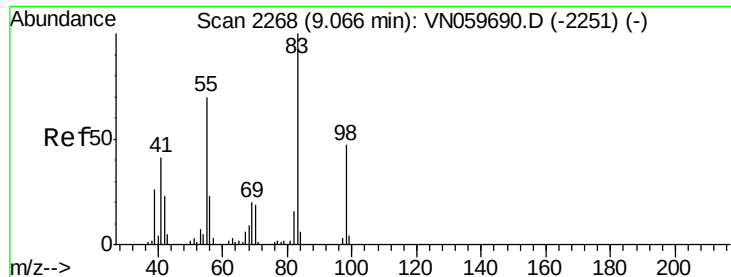
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.557 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.3	76.5	114.7	
121	31.8	25.1	37.7	





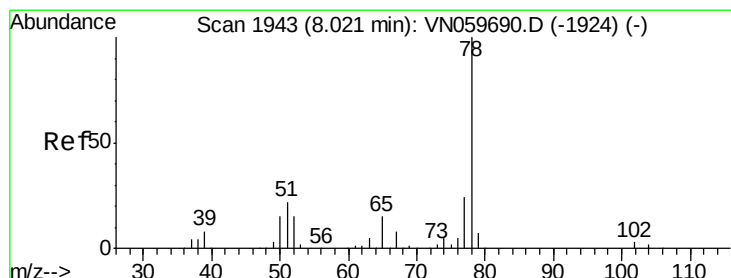
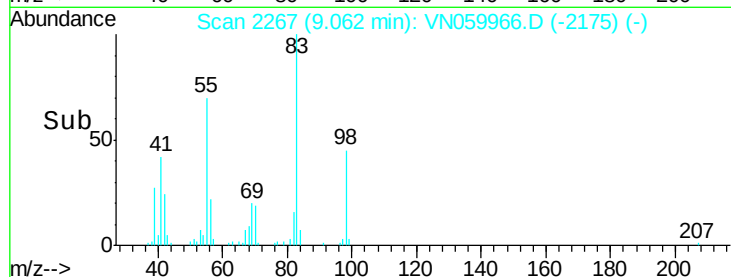
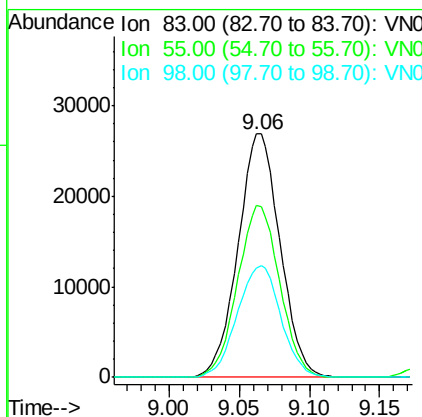
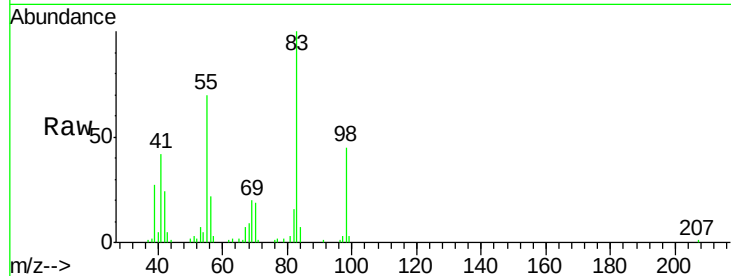
#39
Methylvlcyclohexane
Concen: 18.037 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	64.2	96.2
98	45.1	35.9	53.9

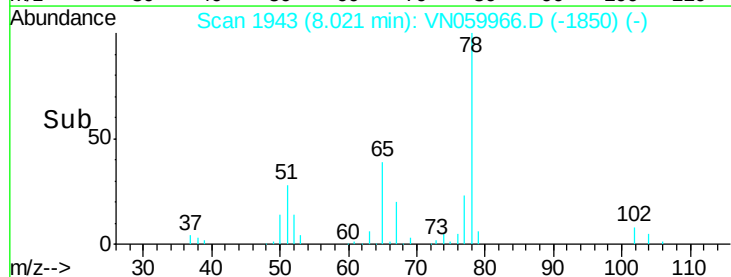
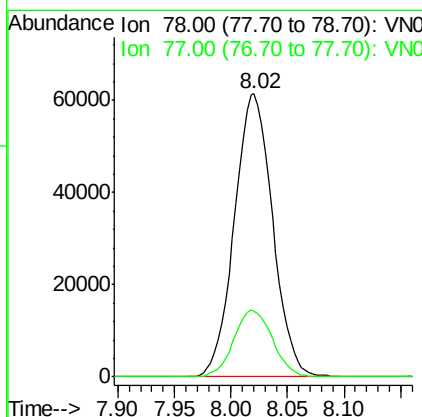
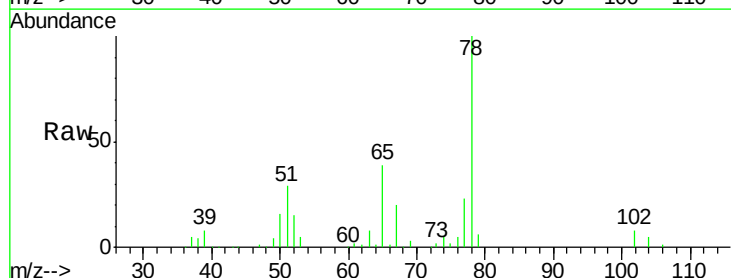
Manual Integrations
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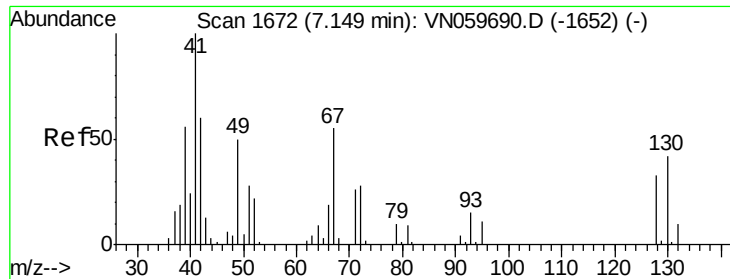
MMDadoda
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#40
Benzene
Concen: 19.202 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





#41

Methacrylonitrile

Concen: 18.405 ug/l m

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBS01

Tot Ion: 41 Resp: 21458

Ion Ratio Lower Upper

41 100

39 164.5 0.0 0.0#

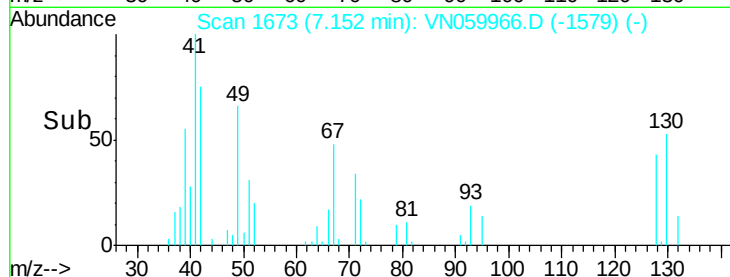
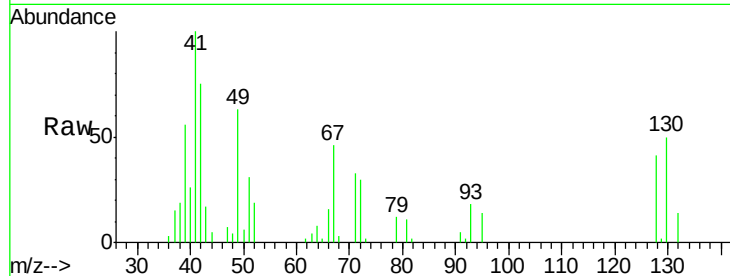
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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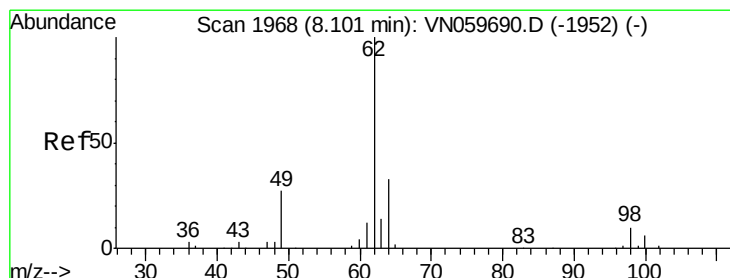
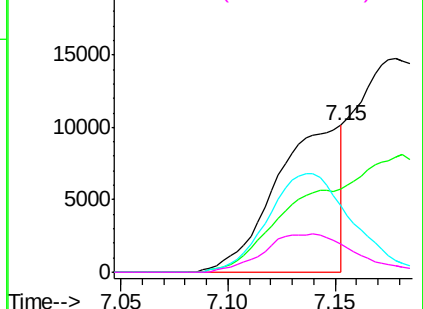


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.923 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN059966.D

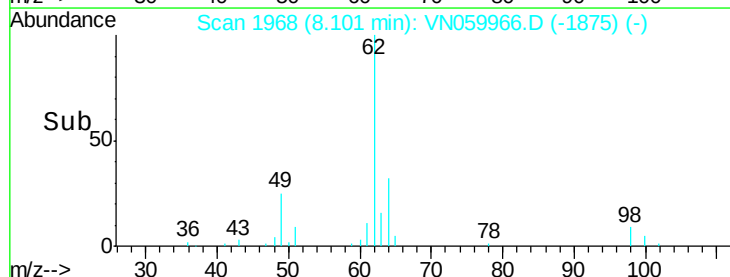
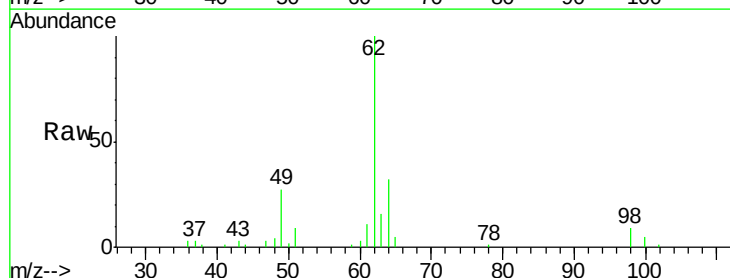
Acq: 3 Feb 2020 11:37

Tgt Ion: 62 Resp: 53393

Ion Ratio Lower Upper

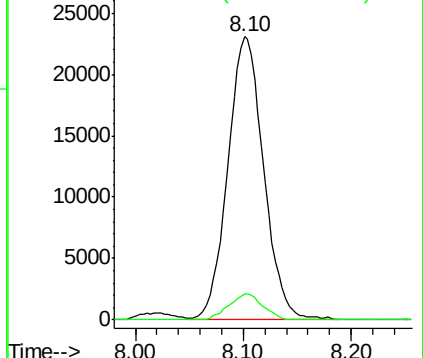
62 100

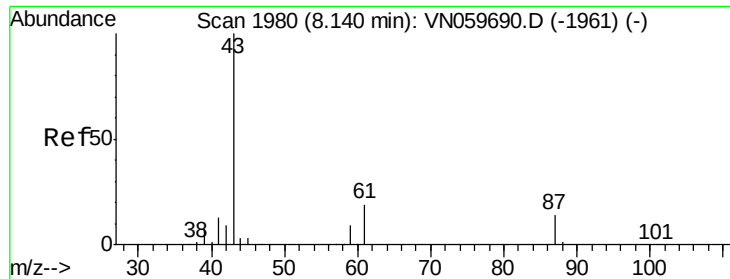
98 8.7 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





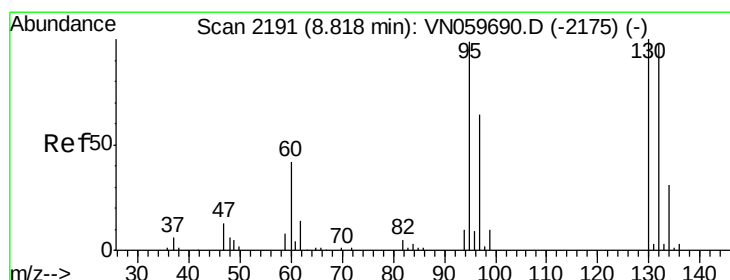
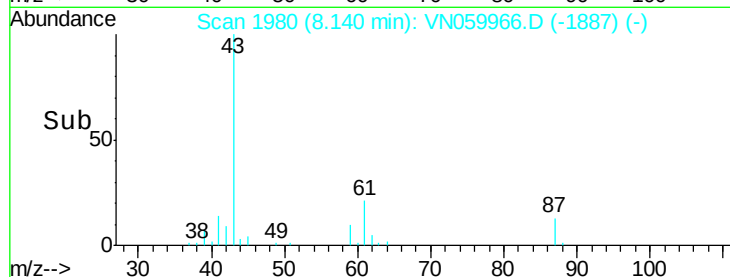
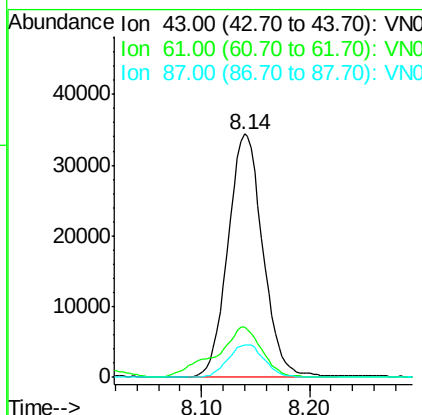
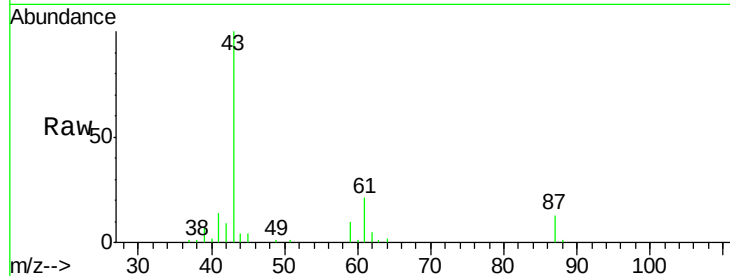
#43
Isopropyl Acetate
Concen: 19.108 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion	43	61	87
Resp	77797		
Ratio	100	26.9	13.8
Lower		20.2	9.5
Upper		30.2	14.3

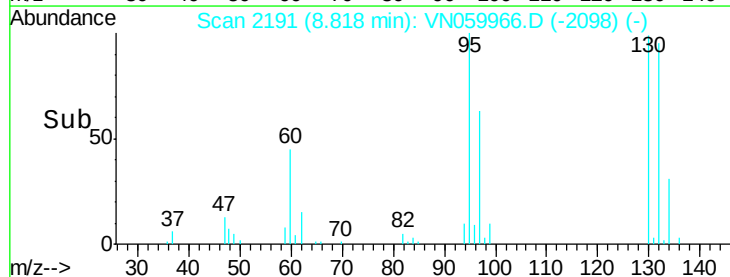
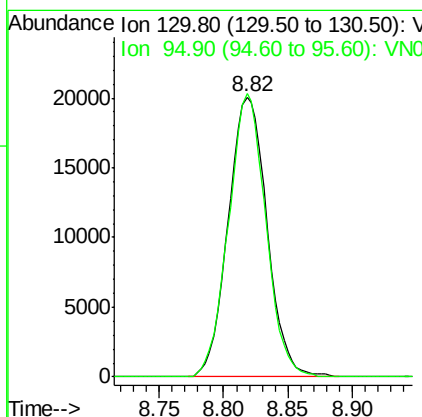
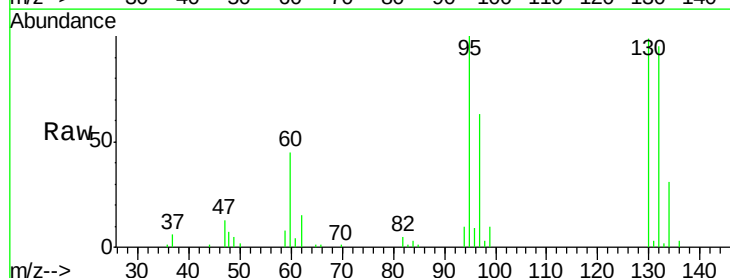
Manual Integrations
APPROVED

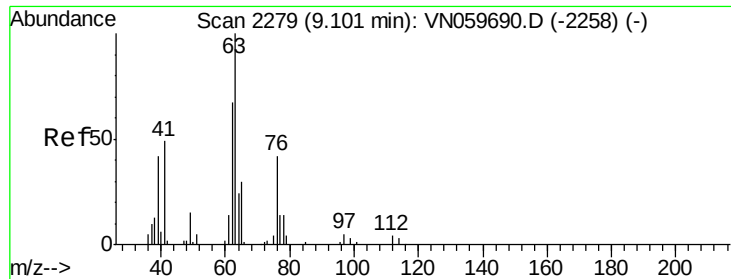
MMDadoda
2/4/2020 11:20:25 AM



#44
Trichloroethene
Concen: 20.428 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	130	95
Resp	41973	
Ratio	100	101.1
Lower		0.0
Upper		207.0





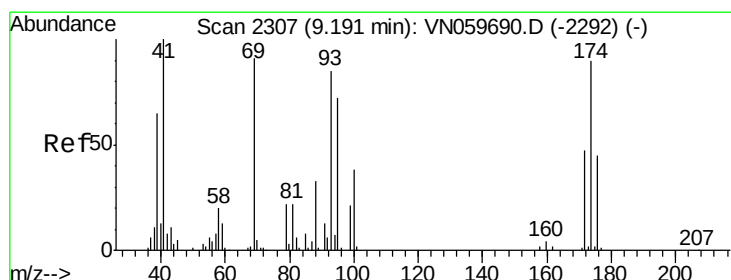
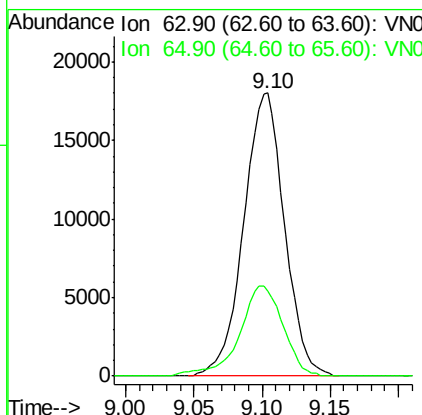
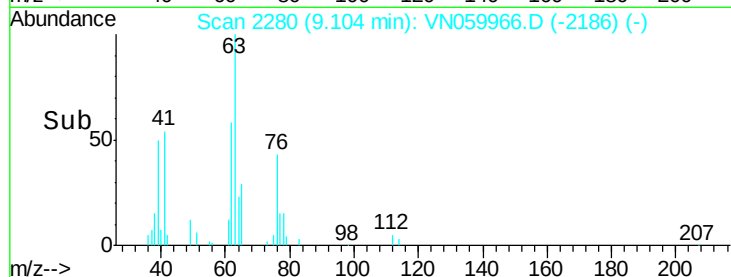
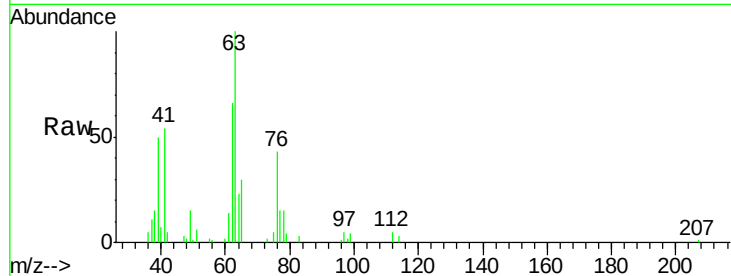
#45
 1,2-Dichloropropane
 Concen: 20.030 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203WBS01

Tot Ion: 63 Resp: 37305
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.9 37.3

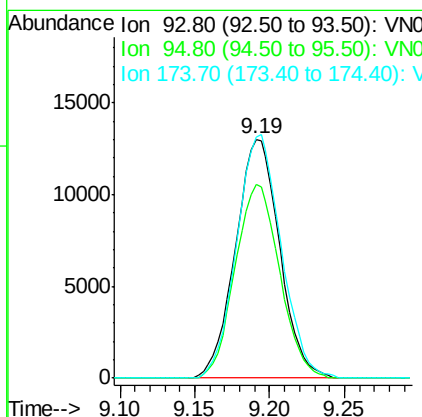
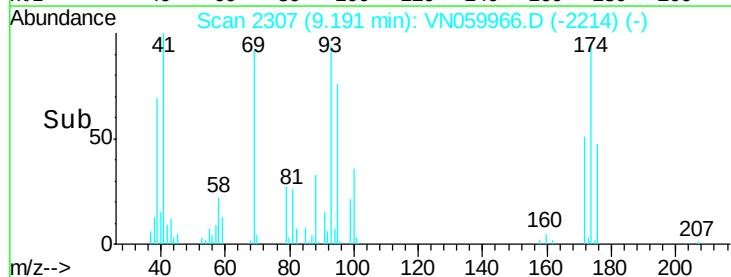
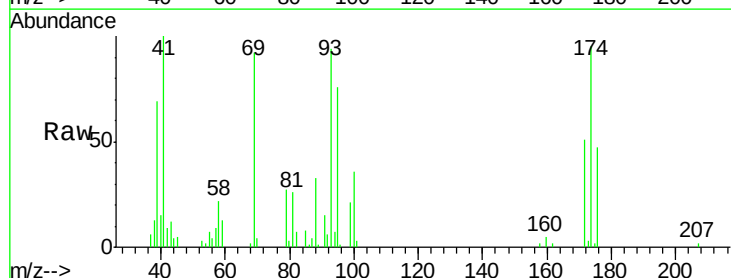
Manual Integrations
 APPROVED

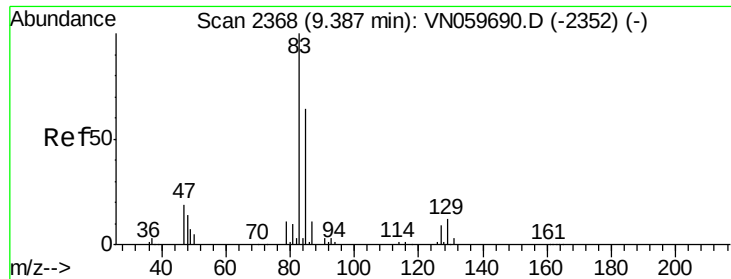
MMDadoda
 2/4/2020 11:20:25 AM



#46
 Dibromomethane
 Concen: 20.365 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion: 93 Resp: 26755
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.0 100.6
 174 102.4 73.4 110.2





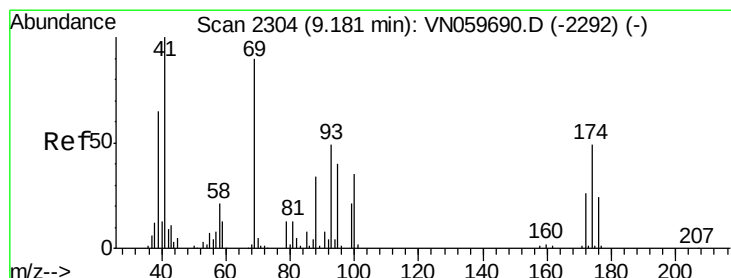
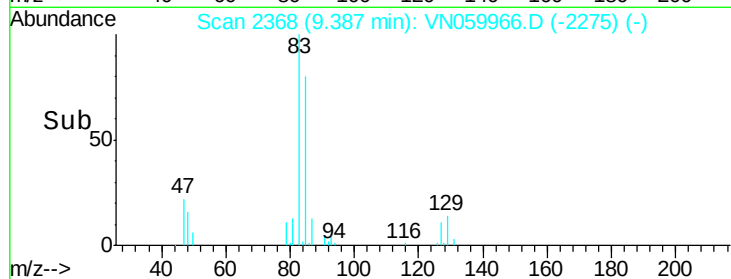
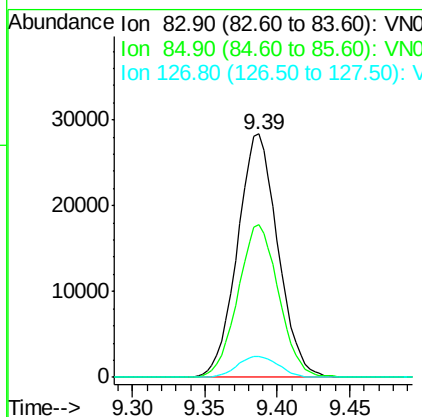
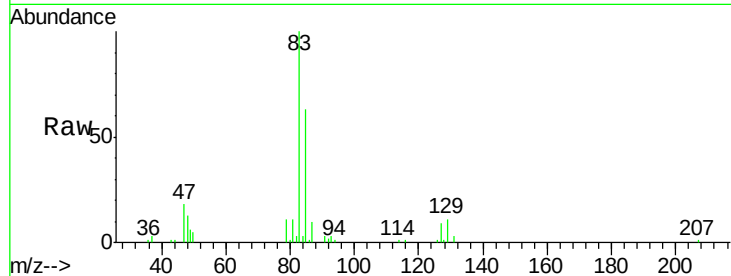
#47
Bromodichloromethane
Concen: 20.746 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7
127	8.7	6.6	9.8

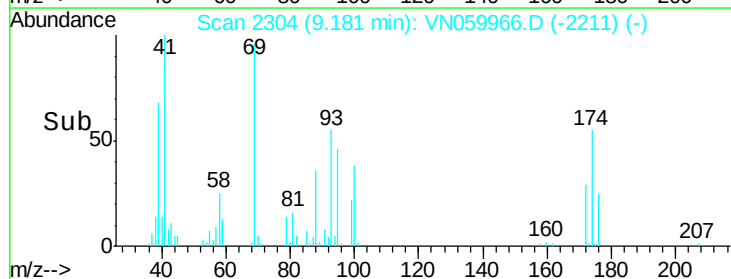
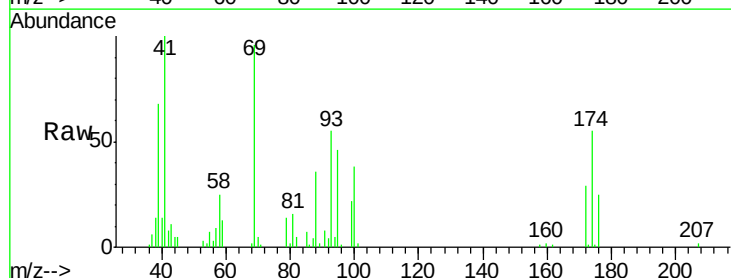
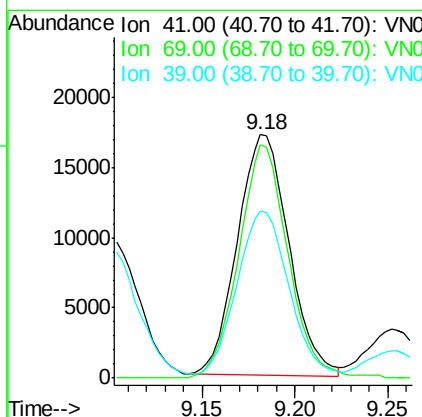
Manual Integrations
APPROVED

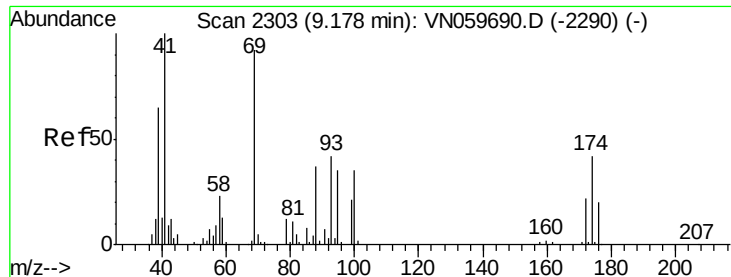
MMDadoda
2/4/2020 11:20:25 AM



#48
Methyl methacrylate
Concen: 18.128 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.2	64.4	96.6
39	67.8	51.3	76.9





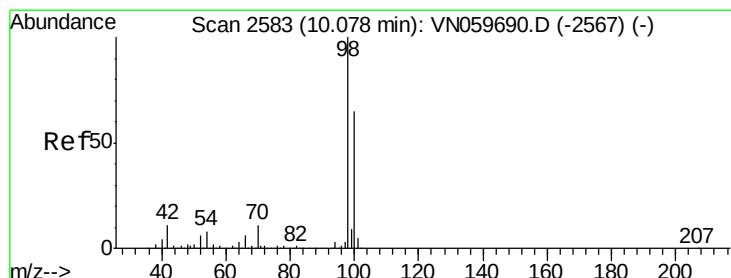
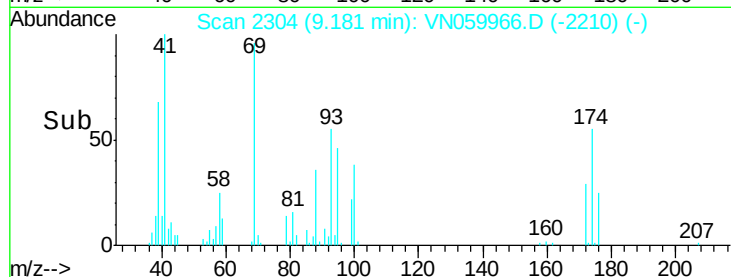
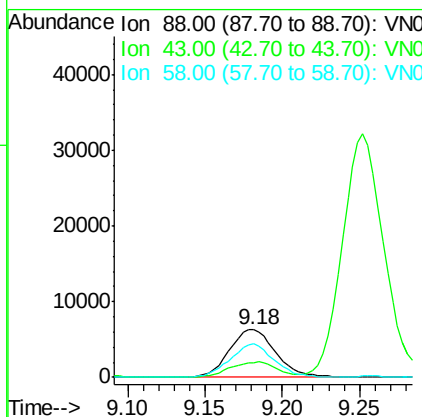
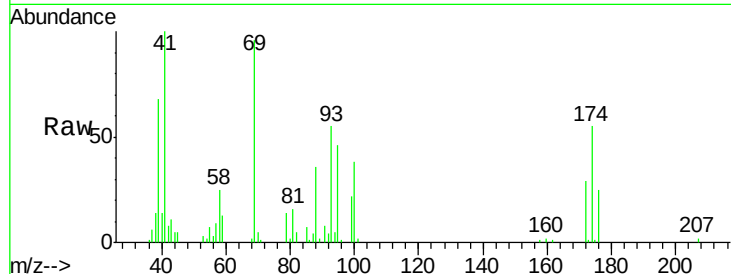
#49
1,4-Dioxane
Concen: 390.393 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion	88	Resp	13015
Ion Ratio	100	Lower	Upper
88	100		
43	33.2	29.7	44.5
58	66.7	56.6	85.0

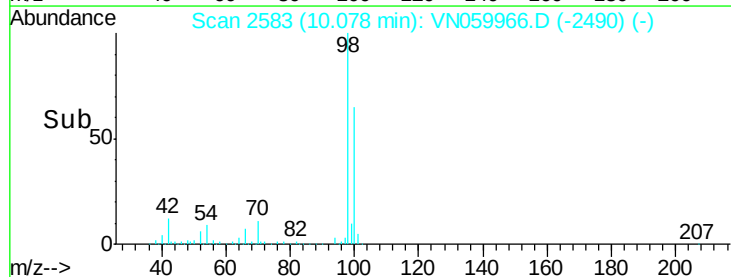
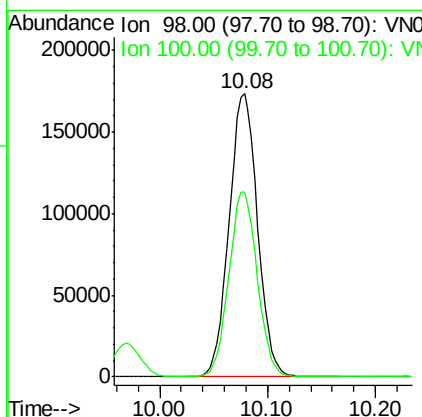
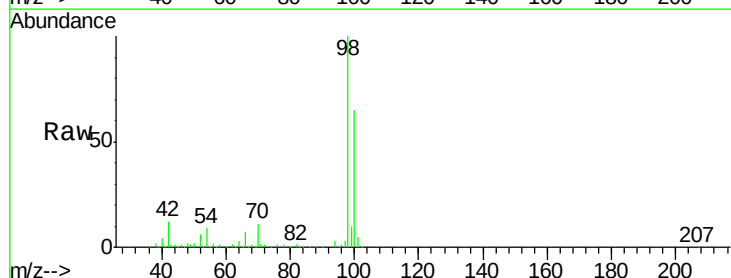
Manual Integrations
APPROVED

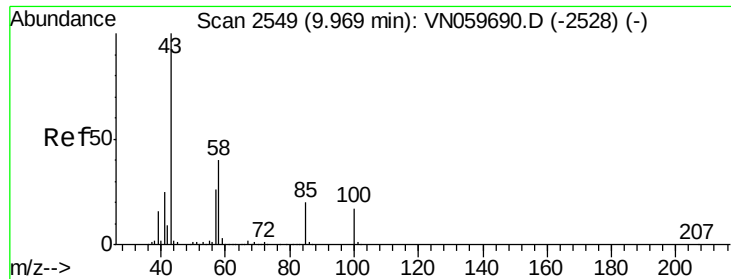
MMDadoda
2/4/2020 11:20:25 AM



#50
Toluene-d8
Concen: 47.703 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	98	Resp	319418
Ion Ratio	100	Lower	Upper
98	100		
100	65.2	51.2	76.8





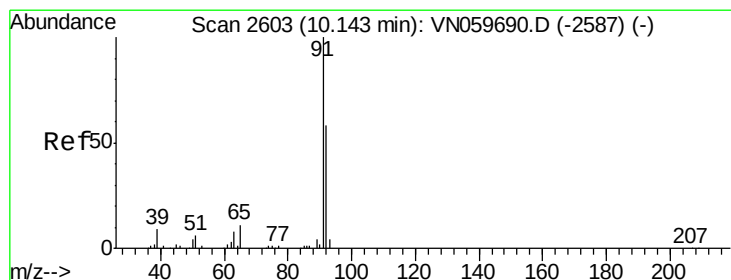
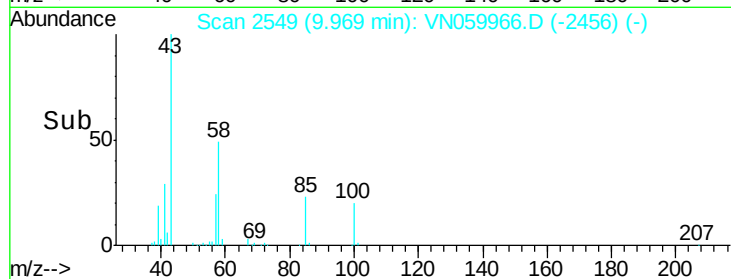
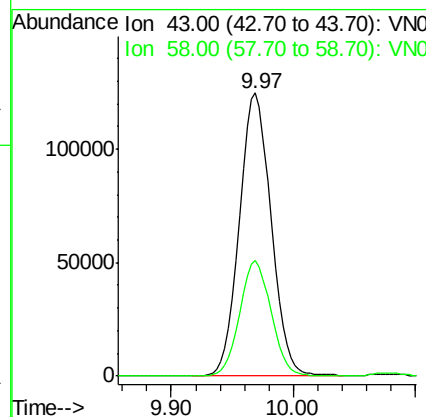
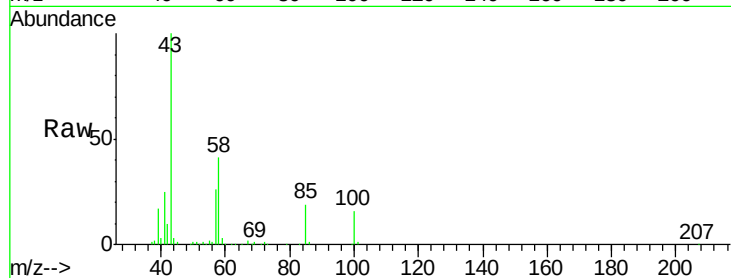
#51
 4-Methyl-2-Pentanone
 Concen: 95.555 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203WBS01

Tot Ion	43	Resp	224894
Ion Ratio	43	100	
Lower	58	40.2	29.8
Upper			44.8

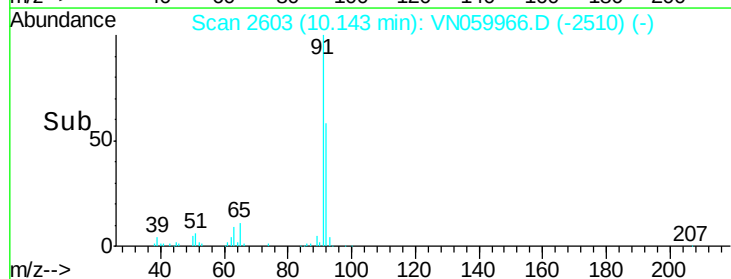
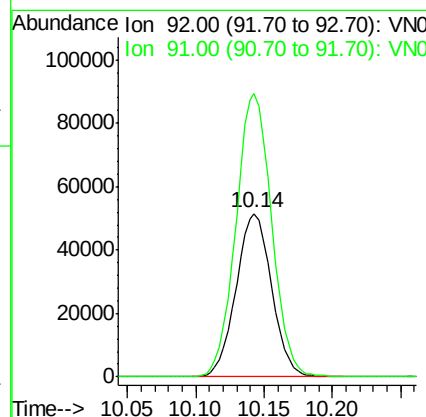
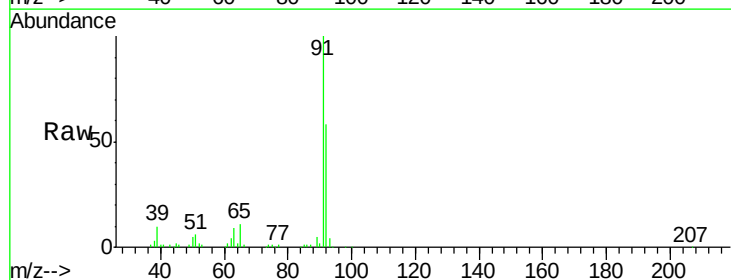
Manual Integrations
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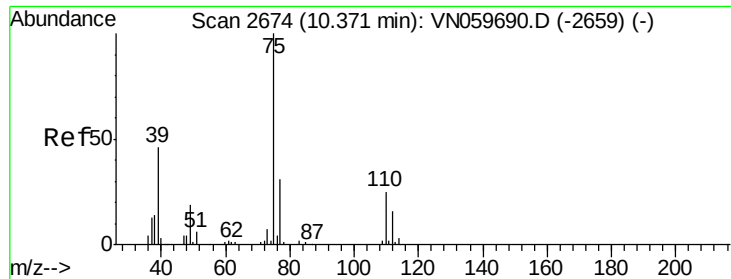
MMDadoda
 2/4/2020 11:20:25 AM



#52
 Toluene
 Concen: 19.592 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion	92	Resp	93144
Ion Ratio	92	100	
Lower	91	174.7	140.4
Upper			210.6





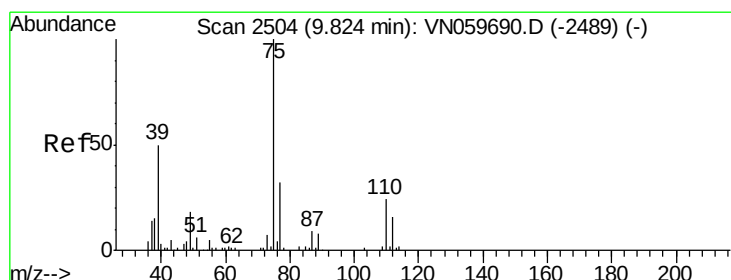
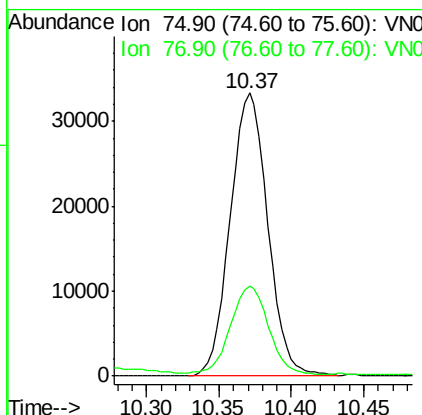
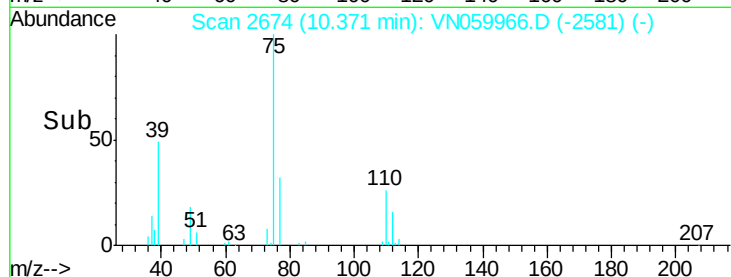
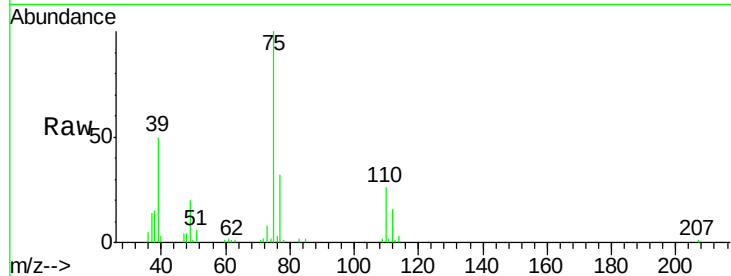
#53
t-1,3-Dichloropropene
Concen: 20.317 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion: 75 Resp: 60061
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

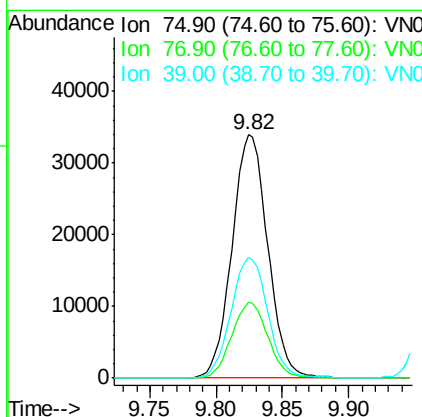
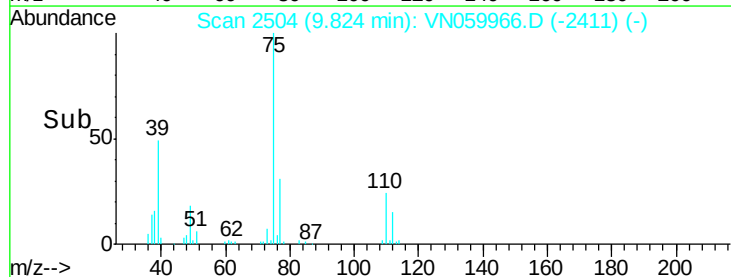
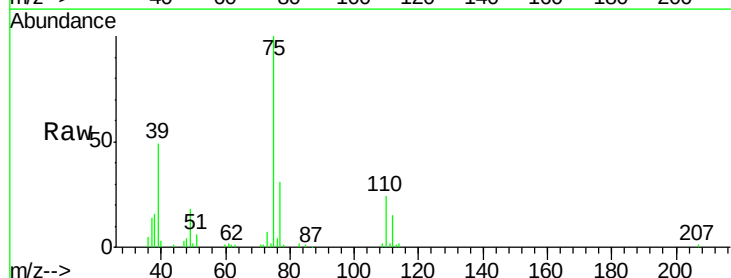
Manual Integrations
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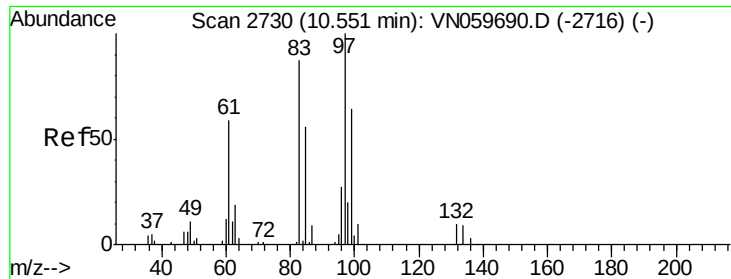
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.451 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion: 75 Resp: 63611
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7
39 49.4 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 20.242 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

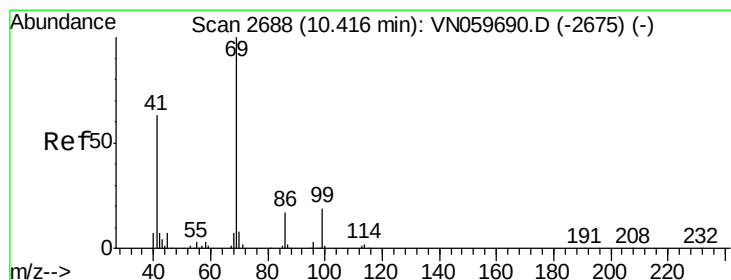
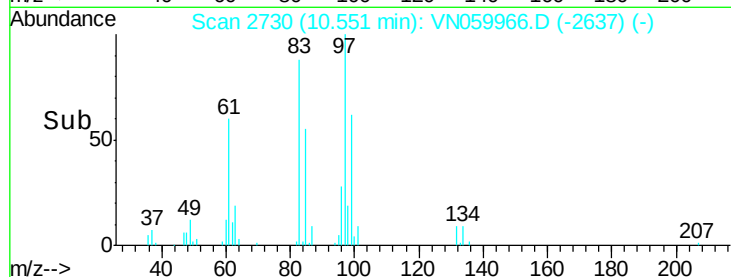
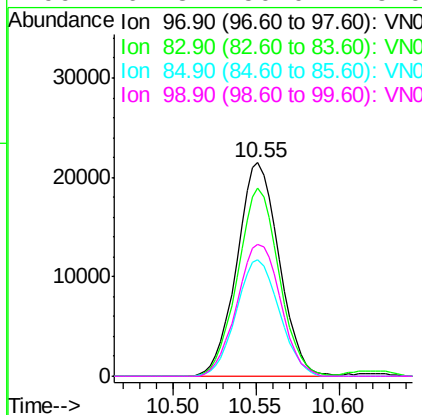
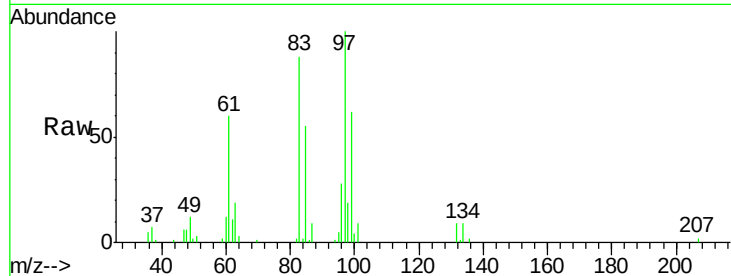
ClientSampleId :

VN0203WBS01

Tot Ion:	97	Resp:	38115
Ion	Ratio	Lower	Upper
97	100		
83	87.9	71.3	106.9
85	54.7	45.8	68.8
99	61.8	50.0	75.0

Manual Integrations
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MMDadoda
2/4/2020 11:20:25 AM



#56

Ethyl methacrylate

Concen: 18.566 ug/l

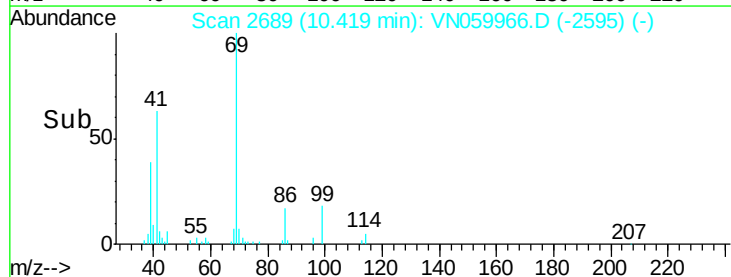
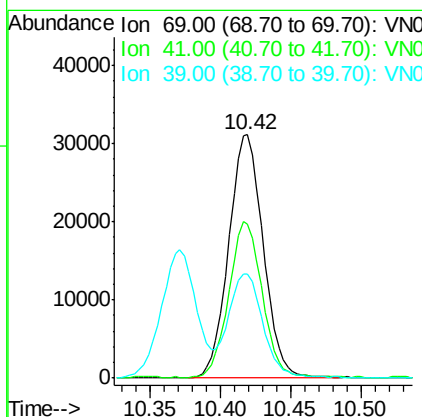
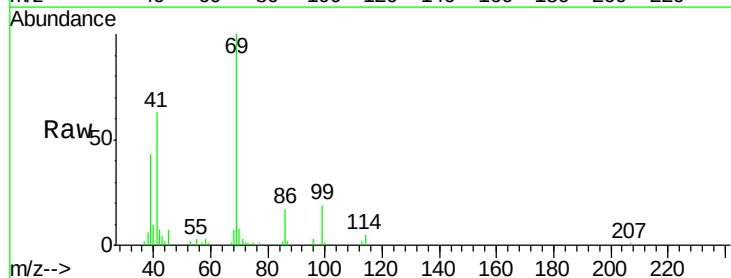
RT: 10.42 min Scan# 2689

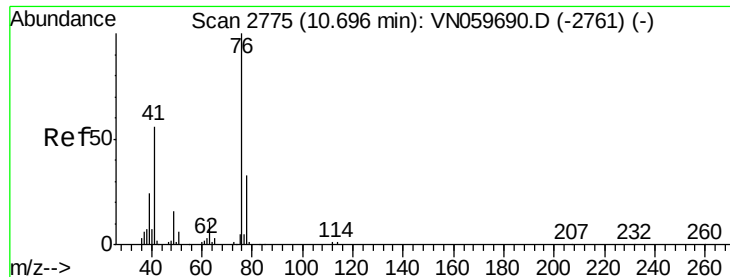
Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Tgt Ion:	69	Resp:	53417
Ion	Ratio	Lower	Upper
69	100		
41	63.0	57.1	85.7
39	43.9	34.7	52.1





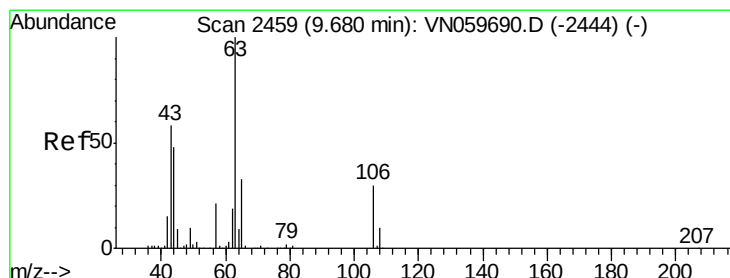
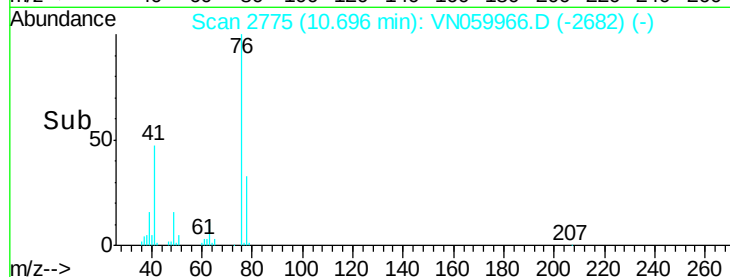
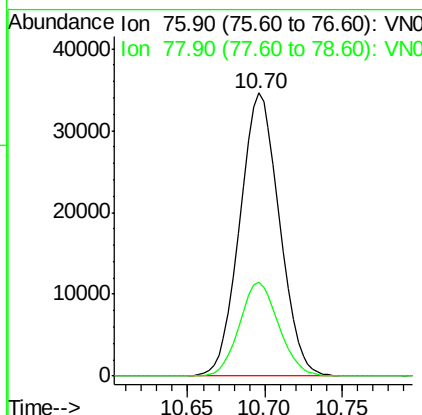
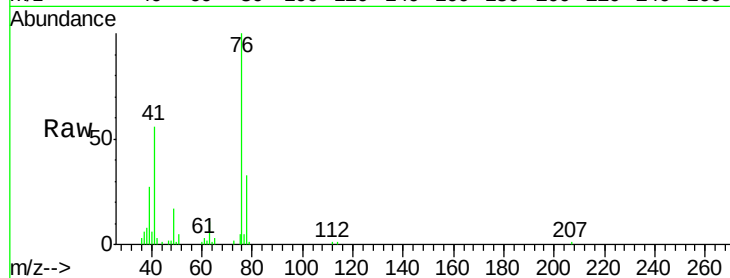
#57
 1,3-Dichloropropane
 Concen: 20.629 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

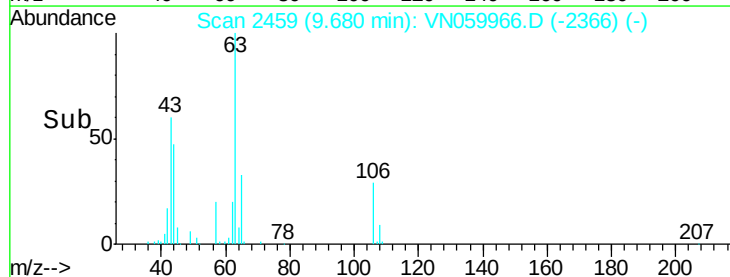
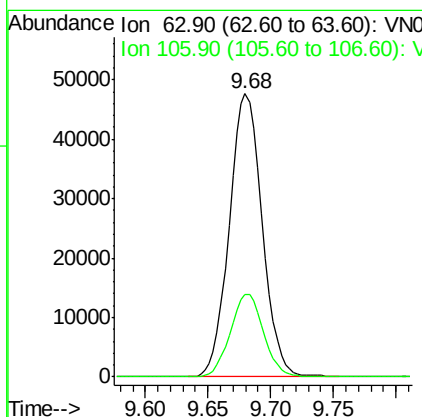
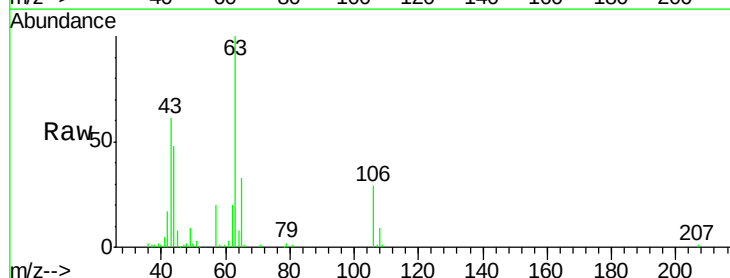
Manual Integrations
 APPROVED

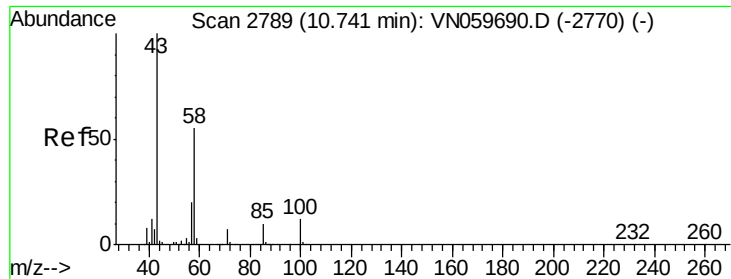
MMDadoda
 2/4/2020 11:20:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.080 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	20.2	30.2





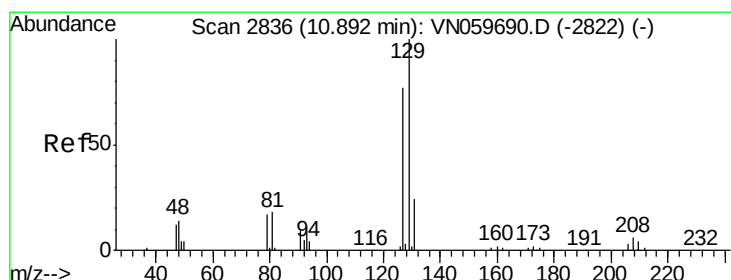
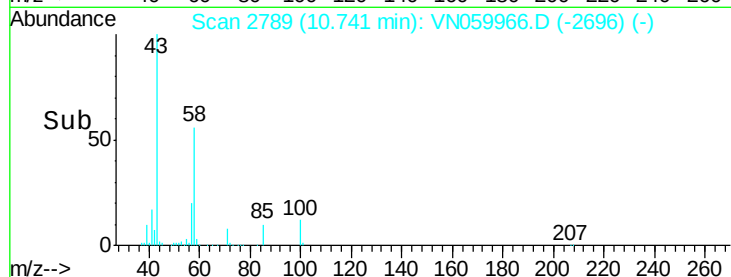
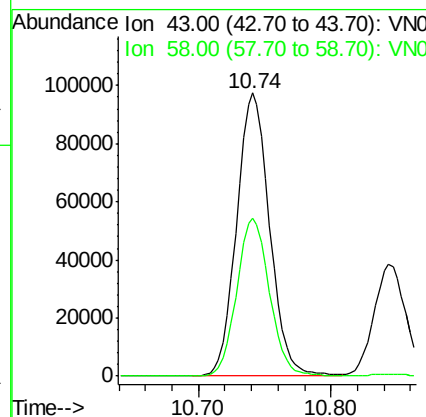
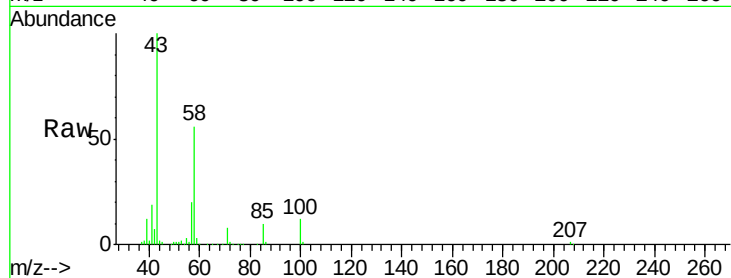
#59
2-Hexanone
Concen: 97.005 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion: 43 Resp: 168193
Ion Ratio Lower Upper
43 100
58 55.5 25.8 77.3

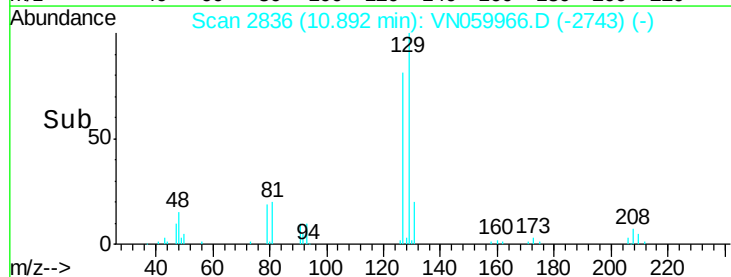
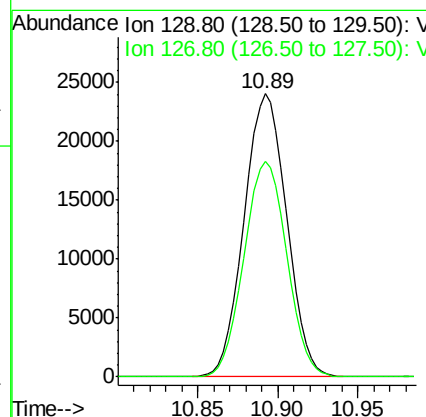
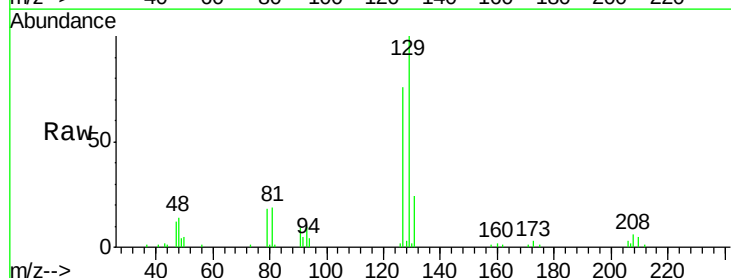
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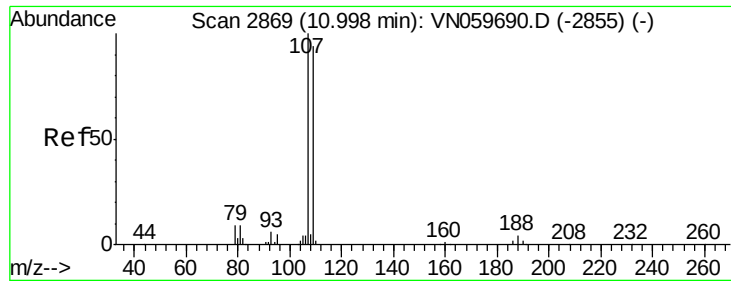
MMDadoda
2/4/2020 11:20:25 AM



#60
Dibromochloromethane
Concen: 20.389 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion: 129 Resp: 43718
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





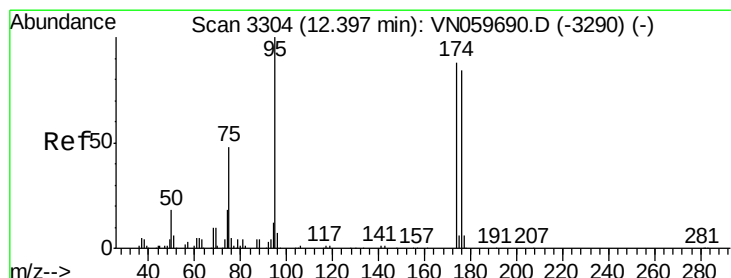
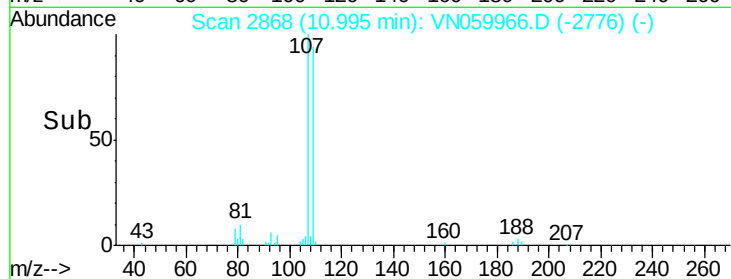
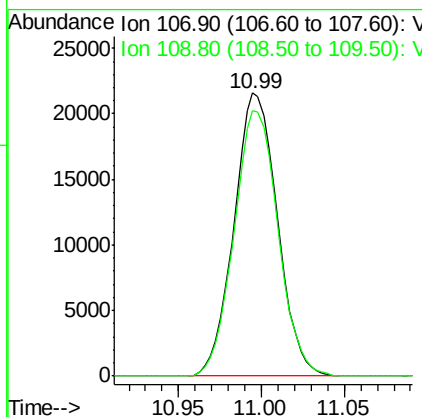
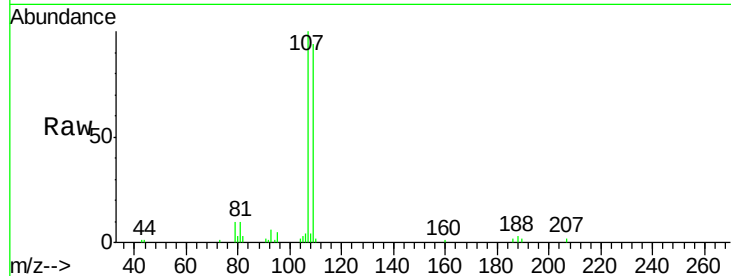
#61
 1,2-Dibromoethane
 Concen: 19.892 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.6	115.0

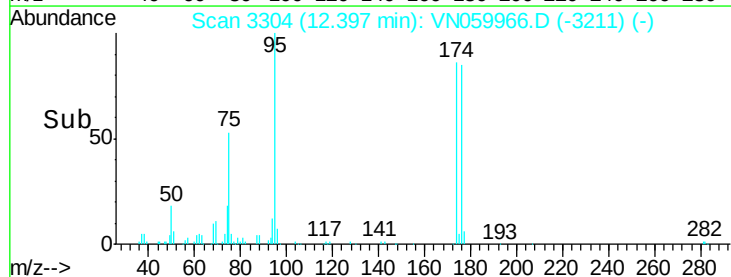
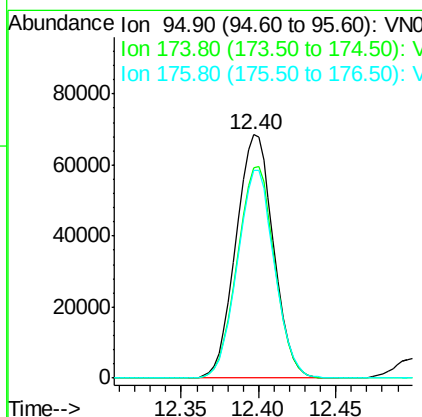
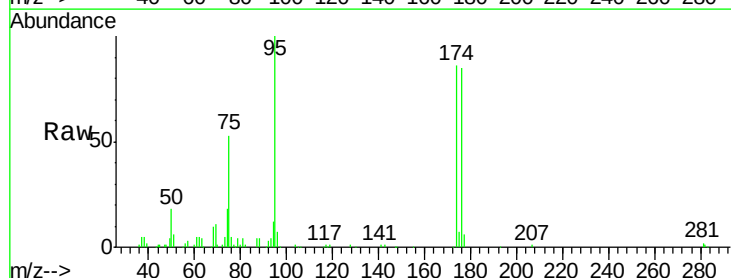
Manual Integrations
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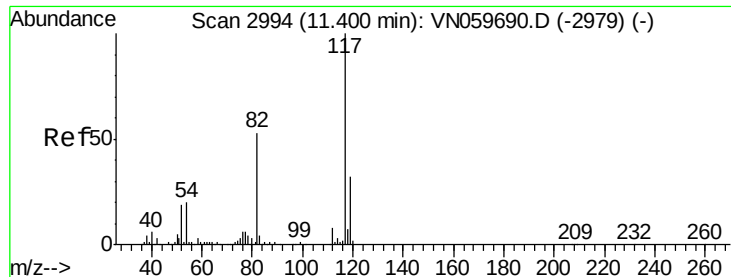
MMDadoda
 2/4/2020 11:20:25 AM



#62
 4-Bromofluorobenzene
 Concen: 47.775 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	151.4
176	84.6	0.0	146.0





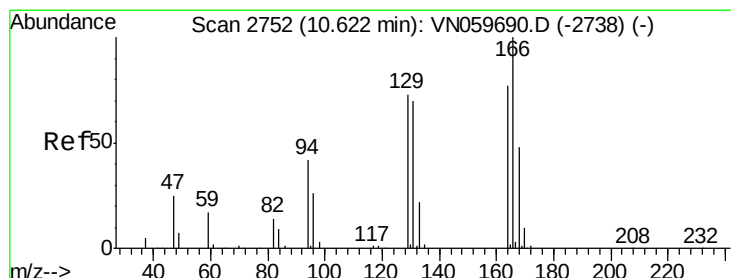
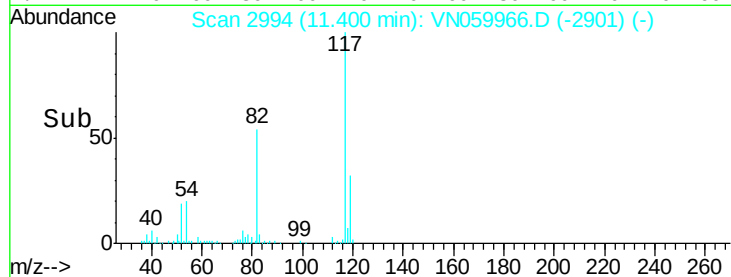
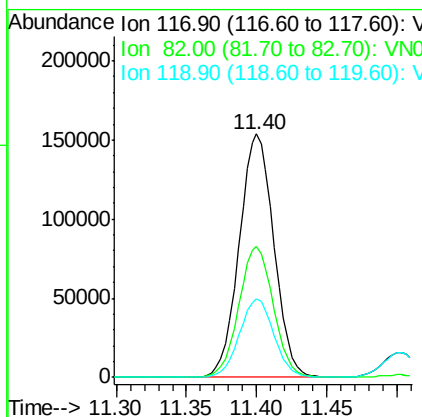
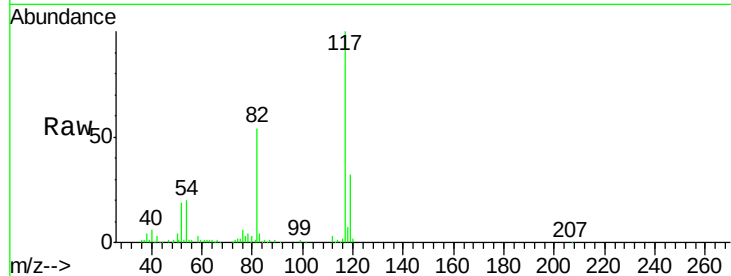
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	265080		
82	53.5		45.9	68.9
119	32.3		25.5	38.3

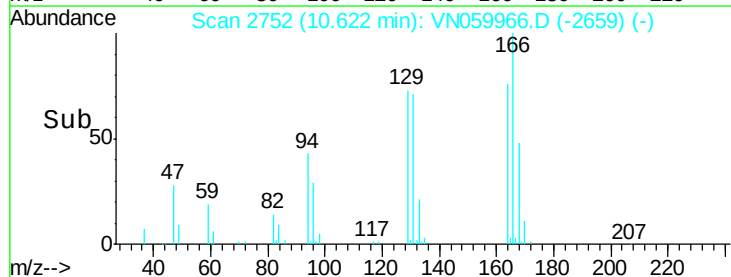
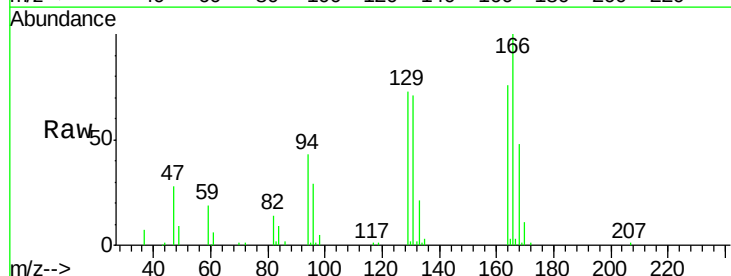
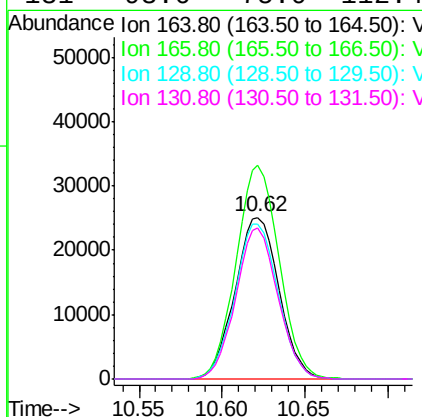
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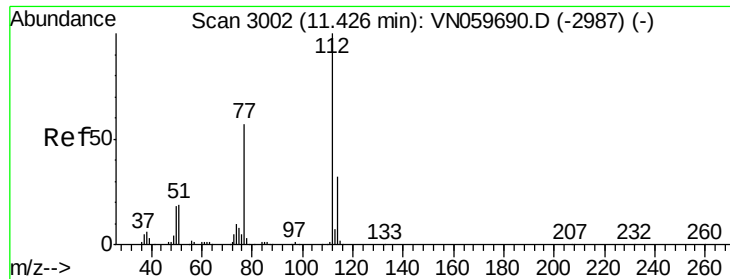
MMDadoda
2/4/2020 11:20:25 AM



#64
Tetrachloroethene
Concen: 21.429 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46296		
166	132.4		101.4	152.0
129	96.4		80.2	120.4
131	93.6		75.0	112.4





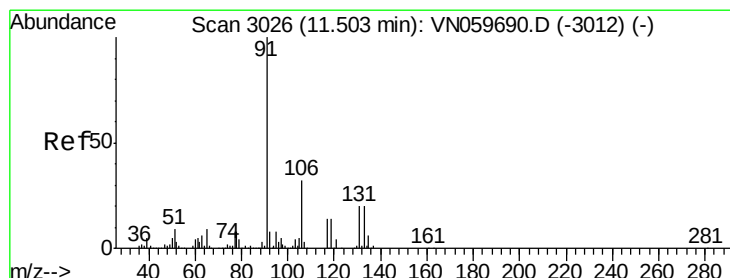
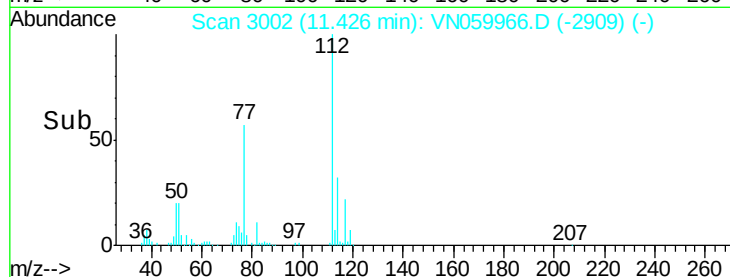
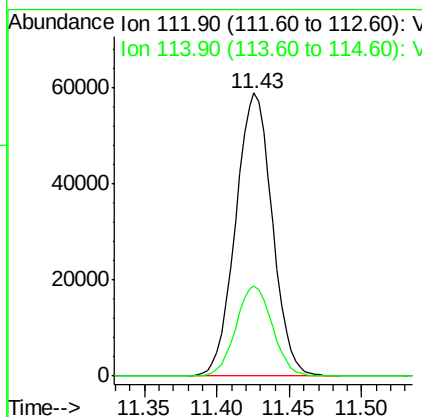
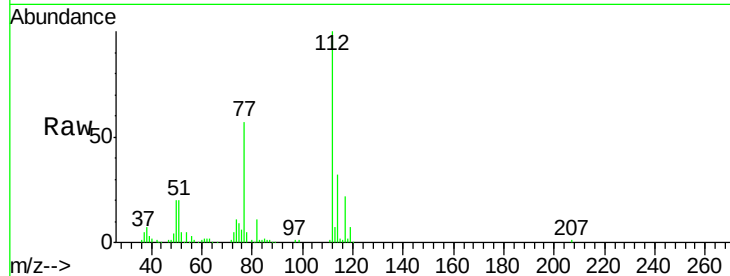
#65
Chlorobenzene
Concen: 19.832 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.8

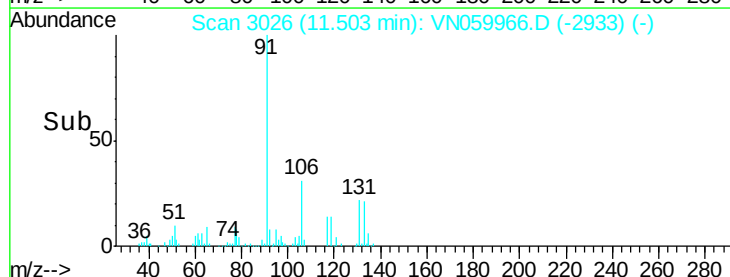
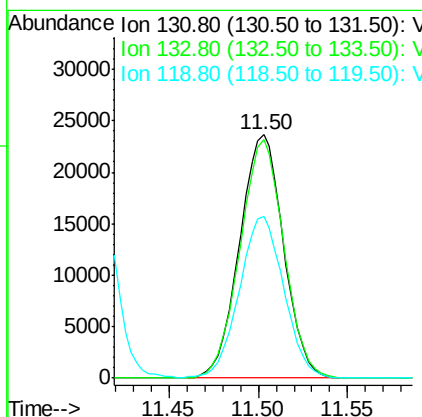
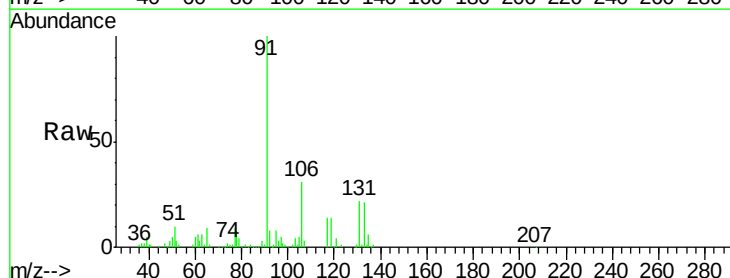
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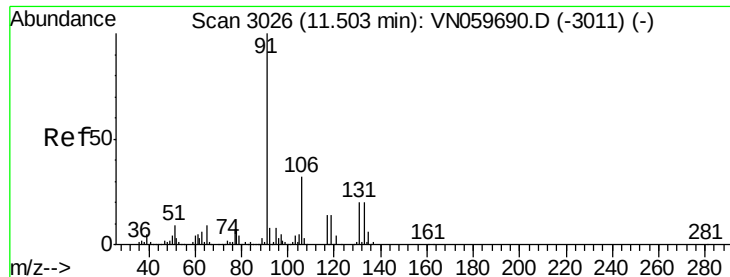
MMDadoda
2/4/2020 11:20:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.248 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.0	47.4	142.2
119	67.3	33.1	99.3





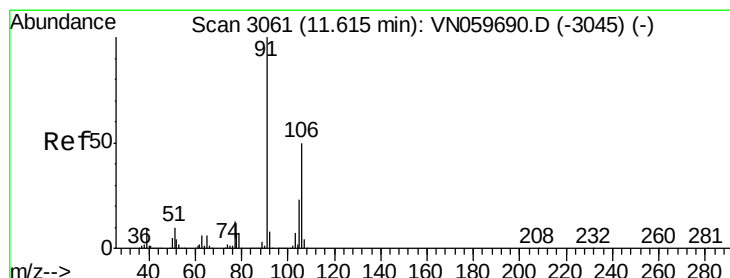
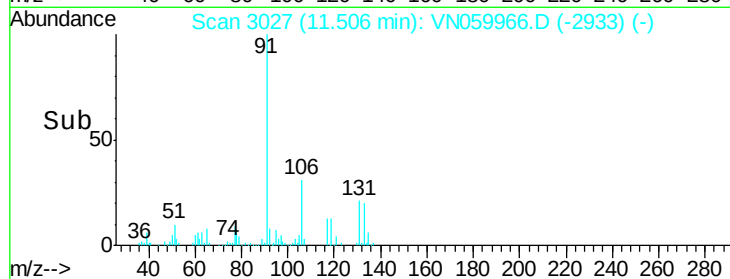
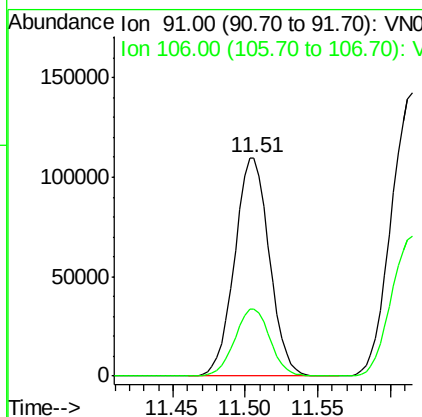
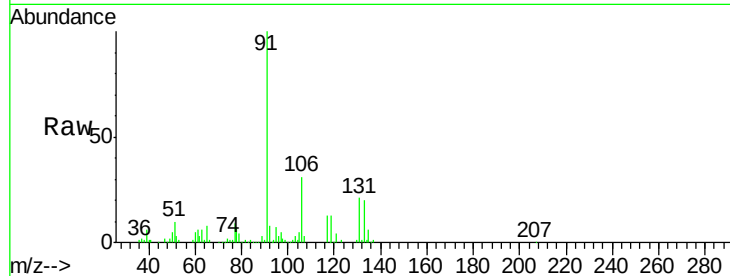
#67
Ethyl Benzene
Concen: 19.335 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion: 91 Resp: 182873
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

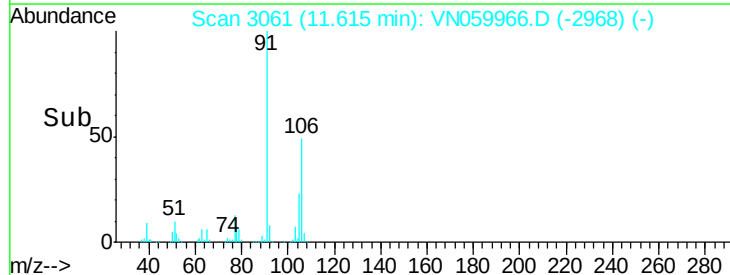
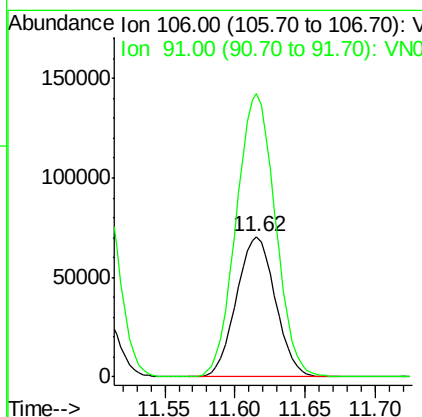
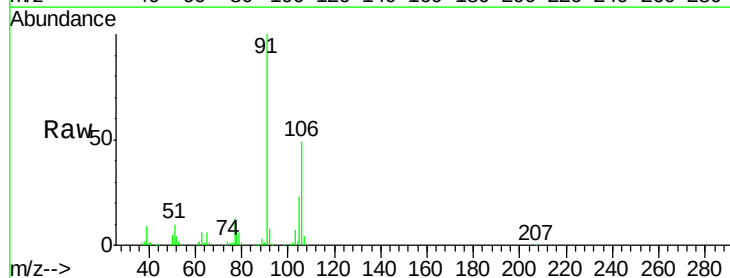
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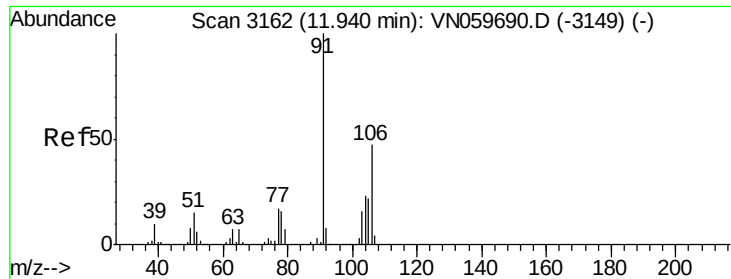
MMDadoda
2/4/2020 11:20:25 AM



#68
m/p-Xylenes
Concen: 38.205 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion: 106 Resp: 136499
Ion Ratio Lower Upper
106 100
91 202.9 167.9 251.9





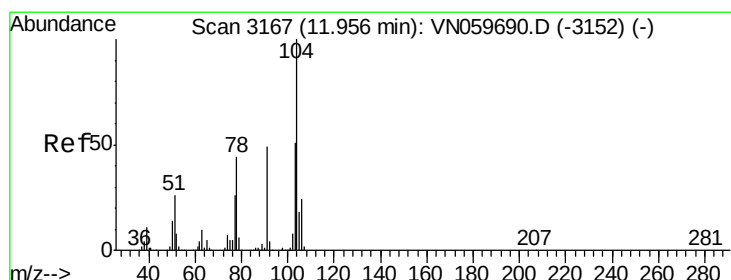
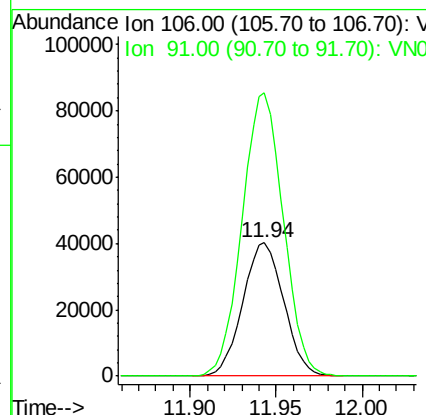
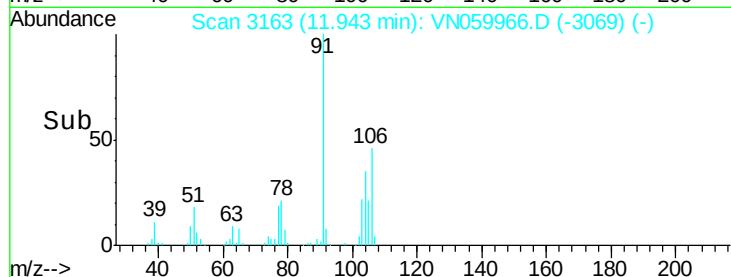
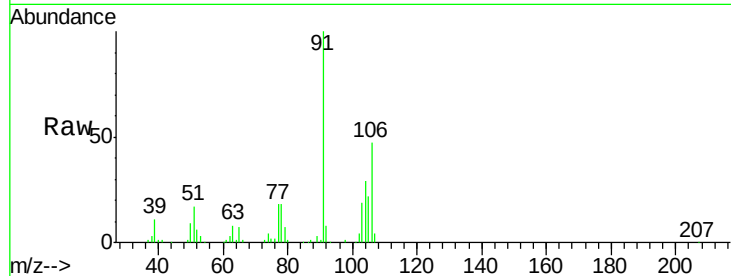
#69
o-Xylene
Concen: 19.120 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion:106 Resp: 66877
Ion Ratio Lower Upper
106 100
91 212.5 110.3 330.9

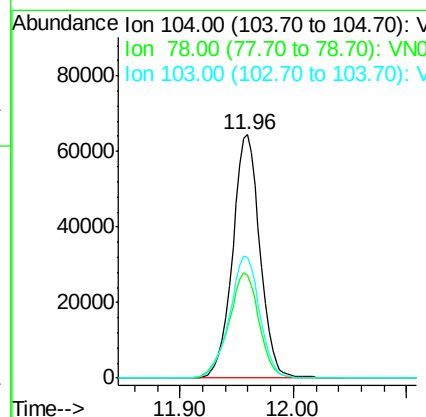
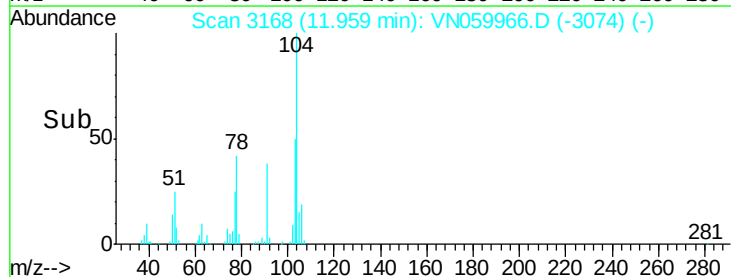
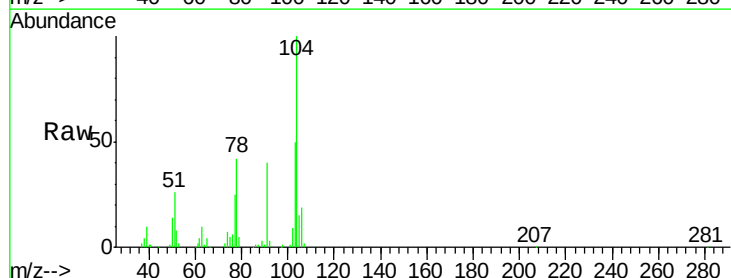
Manual Integrations
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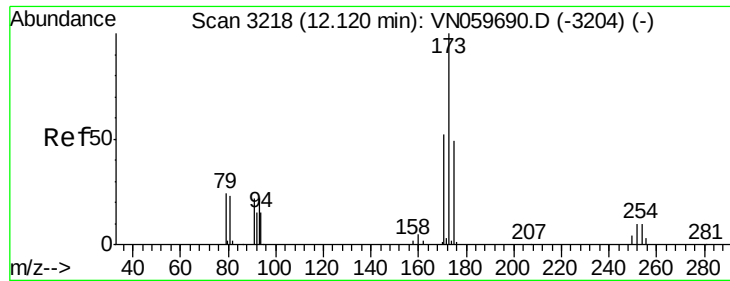
MMDadoda
2/4/2020 11:20:25 AM



#70
Styrene
Concen: 18.486 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion:104 Resp: 108198
Ion Ratio Lower Upper
104 100
78 48.1 42.4 63.6
103 55.0 43.9 65.9





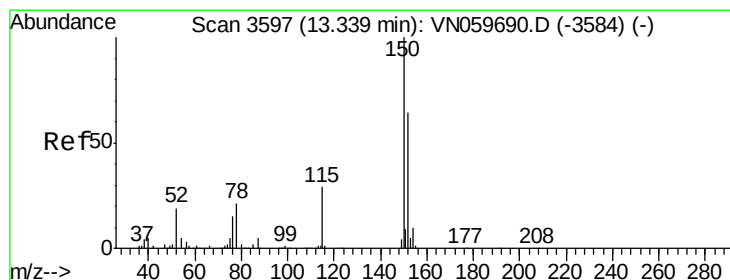
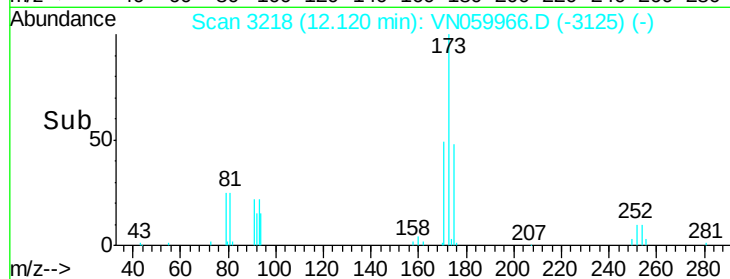
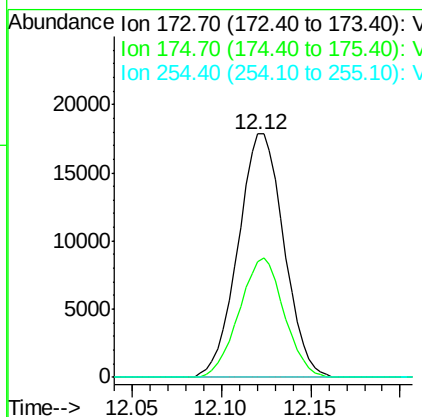
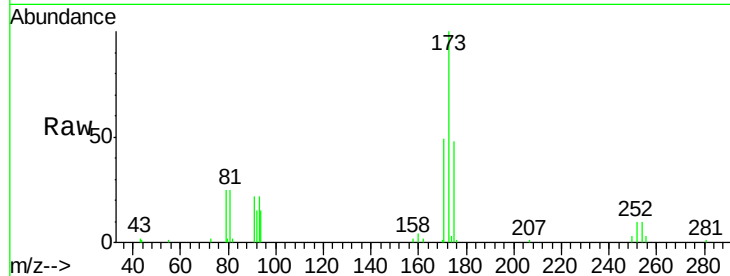
#71
Bromoform
Concen: 19.802 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.8	71.4
254	0.0	0.0	0.0

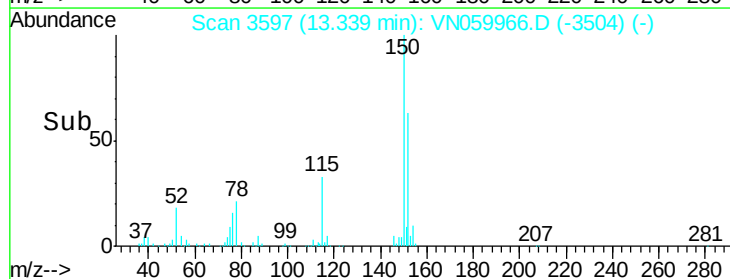
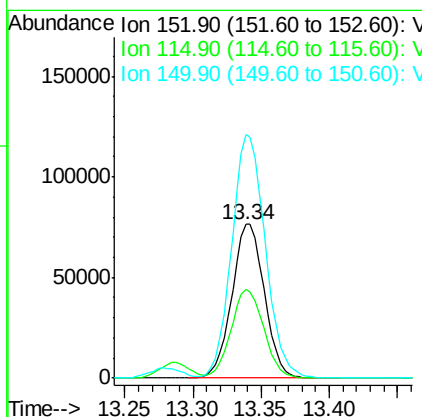
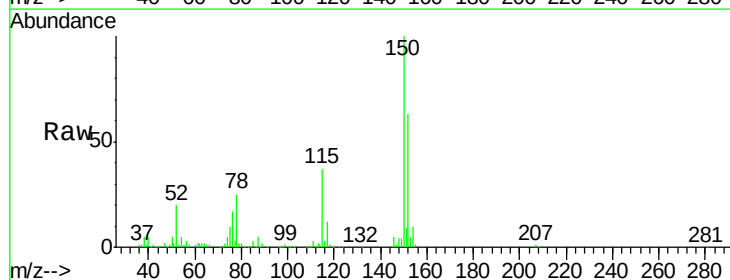
Manual Integrations
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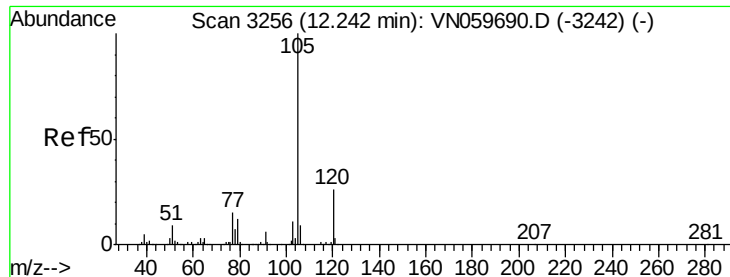
MMDadoda
2/4/2020 11:20:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.3	90.9
150	163.7	0.0	345.2





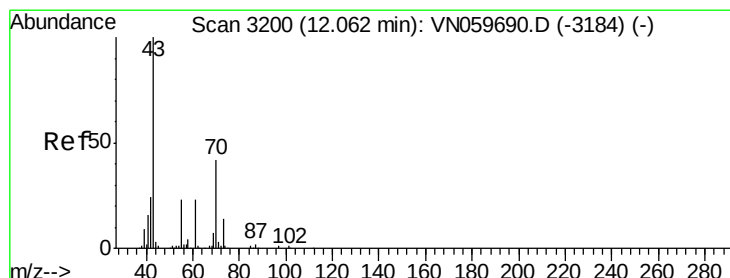
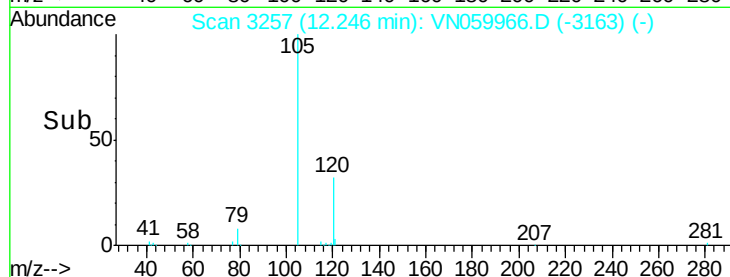
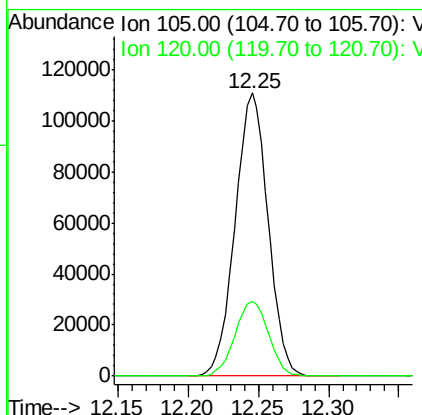
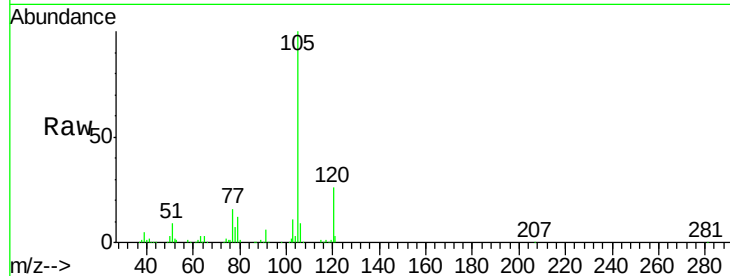
#73
Isopropylbenzene
Concen: 19.578 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.5

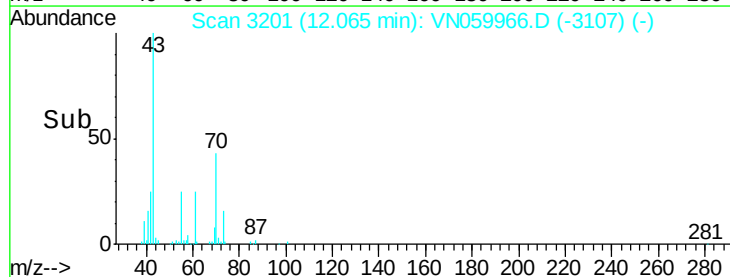
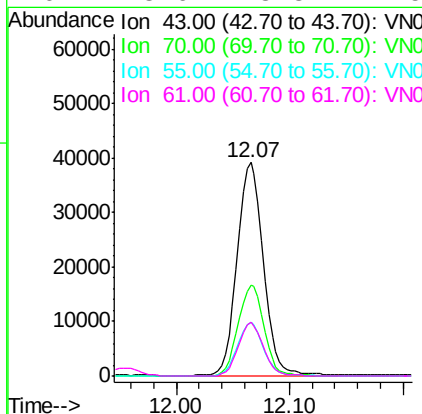
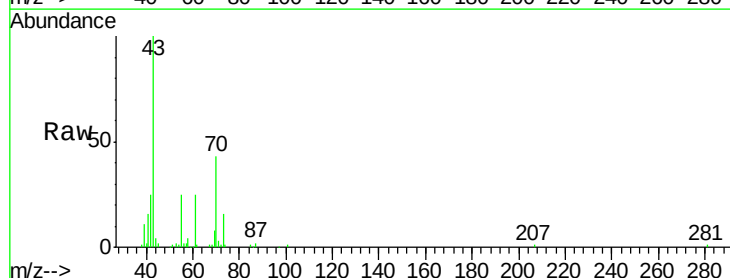
Manual Integrations
APPROVED

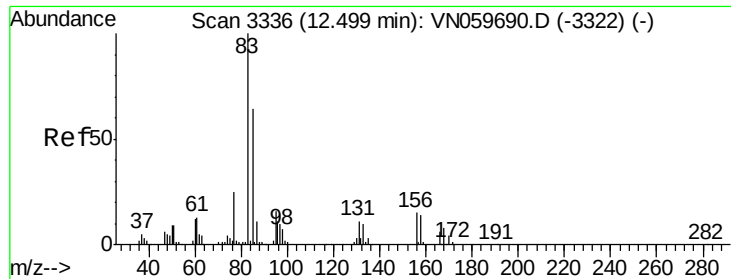
MMDadoda
2/4/2020 11:20:25 AM



#74
N-ethyl acetate
Concen: 17.840 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.7	31.3	46.9
55	24.5	19.8	29.6
61	23.6	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.350 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

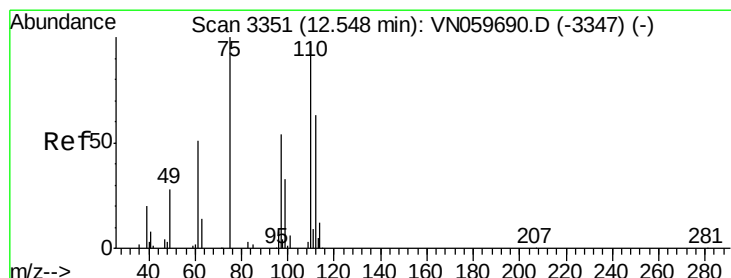
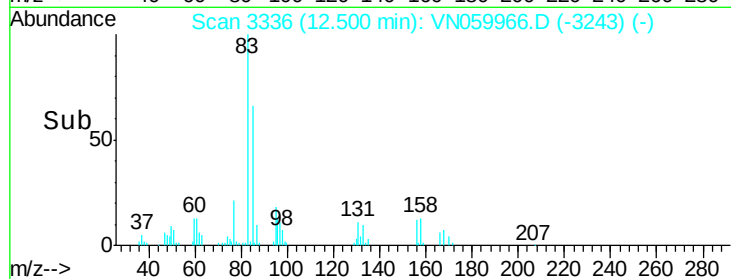
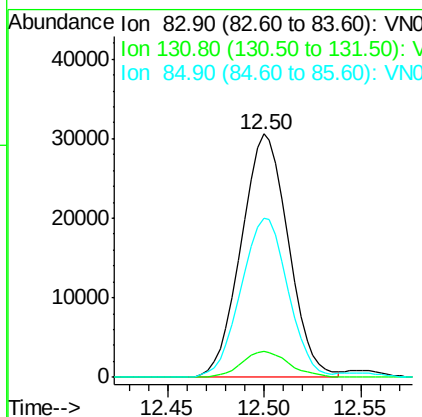
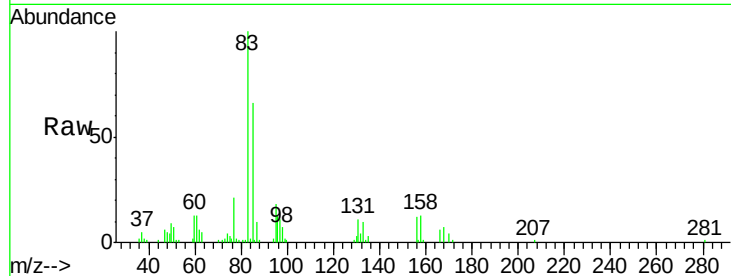
ClientSampled :

VN0203WBS01

Tot Ion:	83	Resp:	51937
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	65.2	31.9	95.5

Manual Integrations
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MMDadoda
2/4/2020 11:20:25 AM



#76

1,2,3-Trichloropropane

Concen: 23.411 ug/l m

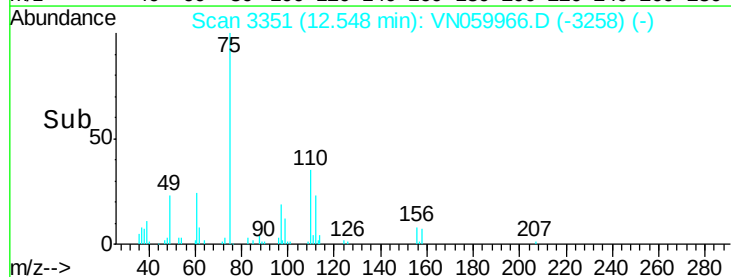
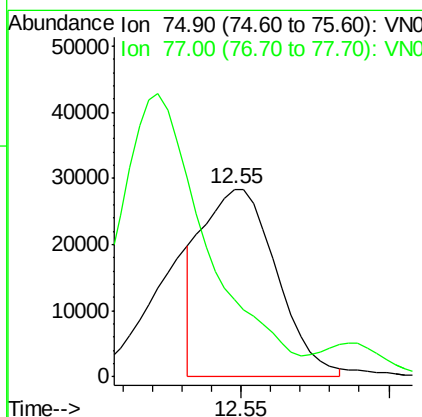
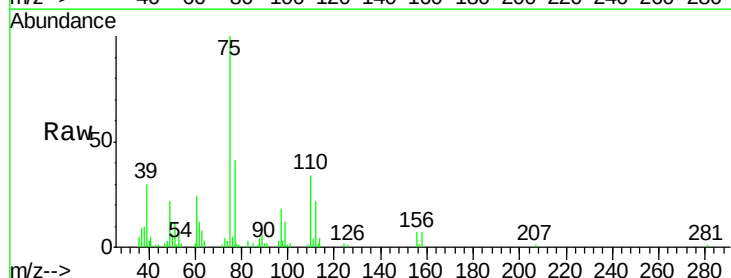
RT: 12.55 min Scan# 3351

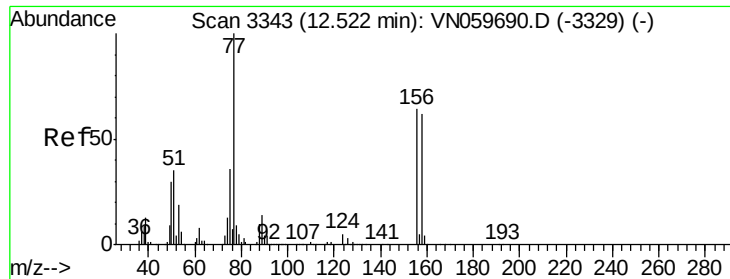
Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Tgt Ion:	75	Resp:	49739
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.477 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

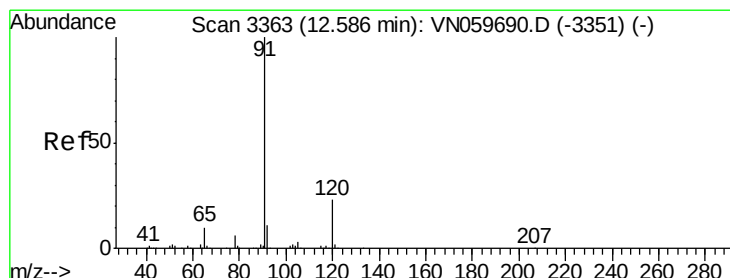
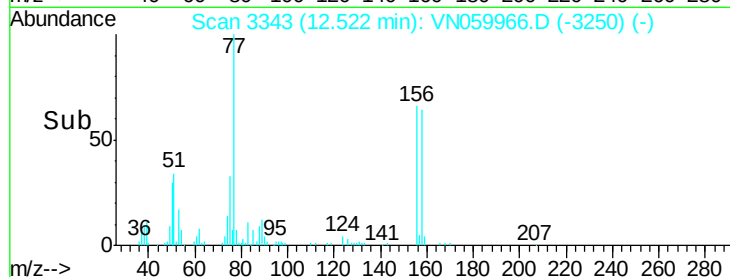
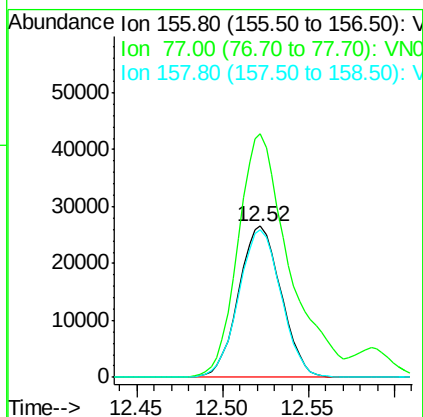
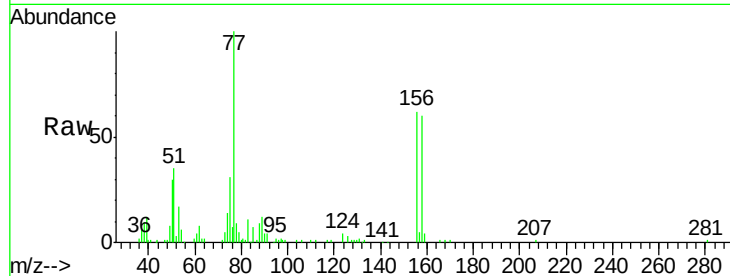
ClientSampleId :

VN0203WBS01

Tot Ion:	156	Resp:	45667
Ion	Ratio	Lower	Upper
156	100		
77	193.5	115.8	347.4
158	97.3	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.527 ug/l

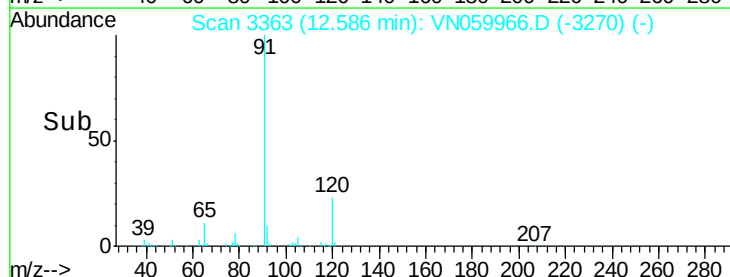
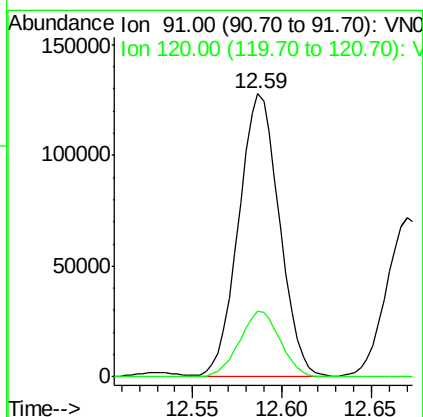
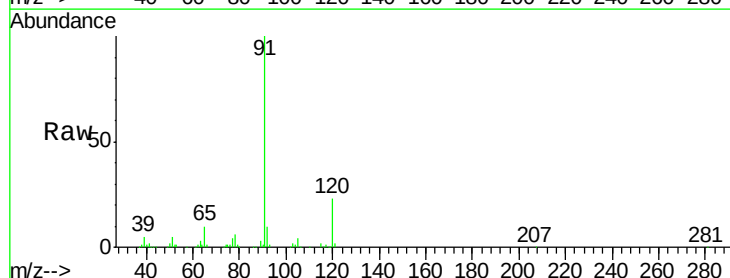
RT: 12.59 min Scan# 3363

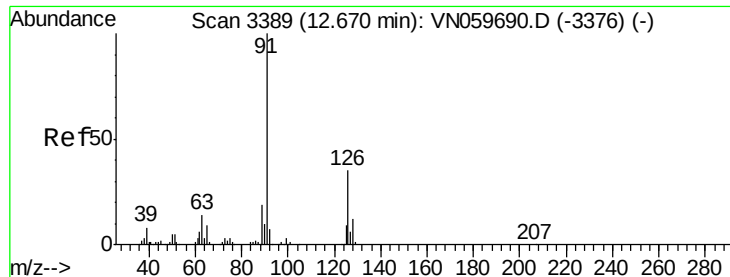
Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Tgt Ion:	91	Resp:	202920
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.307 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059966.D

Acq: 3 Feb 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0203WBS01

Tot Ion: 91 Resp: 119361

Ion Ratio Lower Upper

91 100

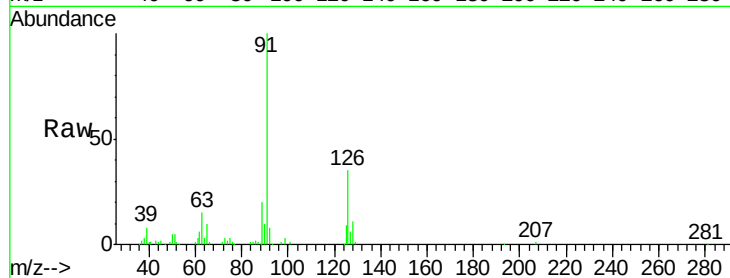
126 35.5 16.3 48.9

Manual Integrations

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2/4/2020 11:20:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059966.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059966.D (-3376) (-)

100000

80000

60000

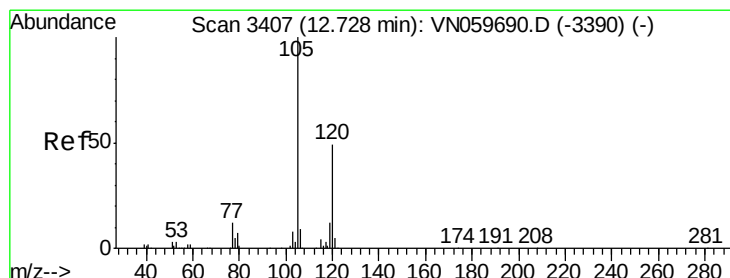
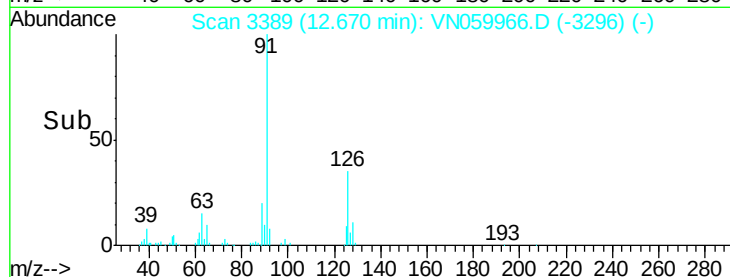
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.226 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059966.D

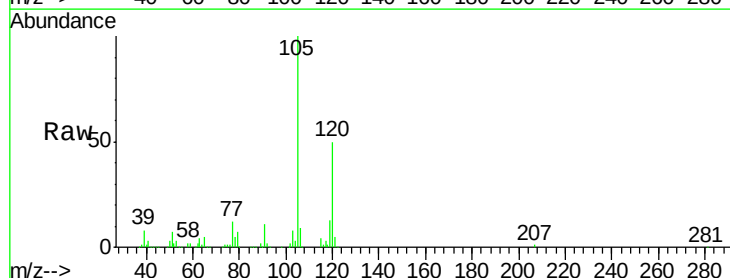
Acq: 3 Feb 2020 11:37

Tgt Ion: 105 Resp: 149707

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059966.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059966.D (-3390) (-)

100000

80000

60000

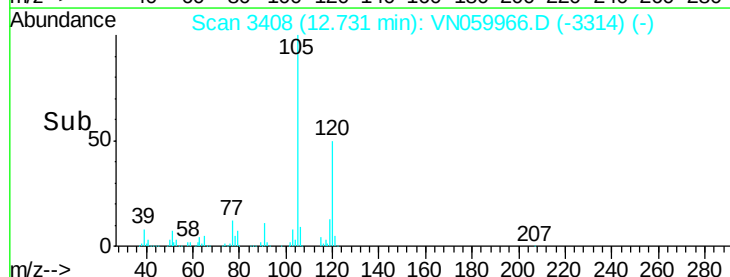
40000

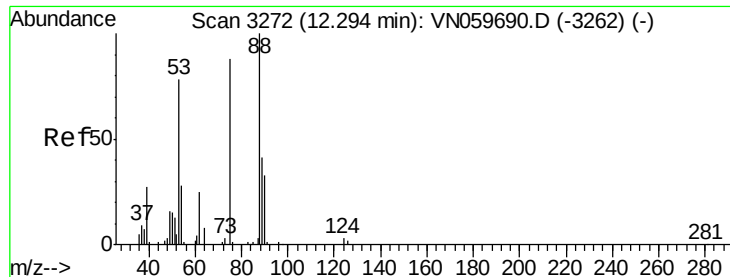
20000

0

12.65 12.70 12.75 12.80

Time-->





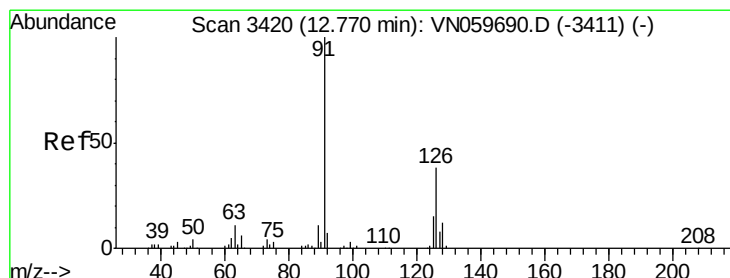
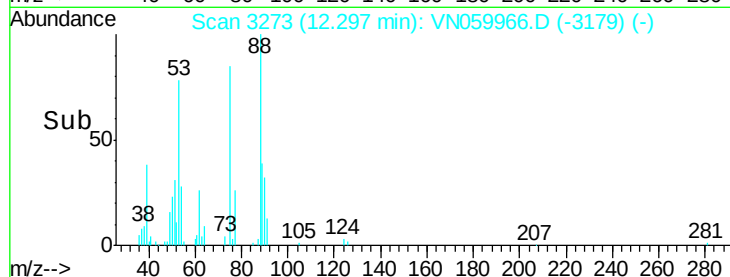
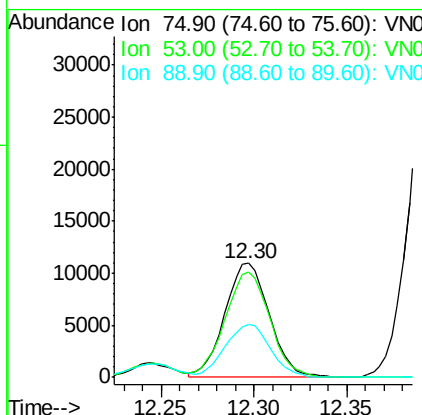
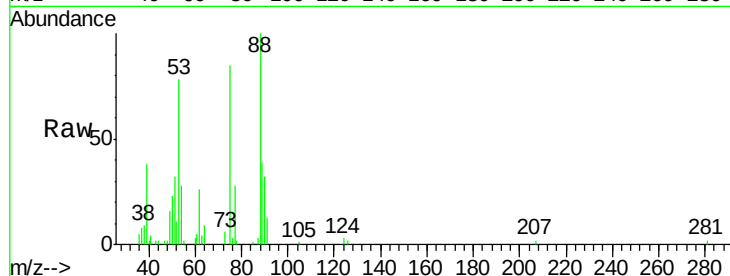
#81
trans-1,4-Dichloro-2-butene
Concen: 18.534 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	78.1	117.1
89	46.6	35.4	53.2

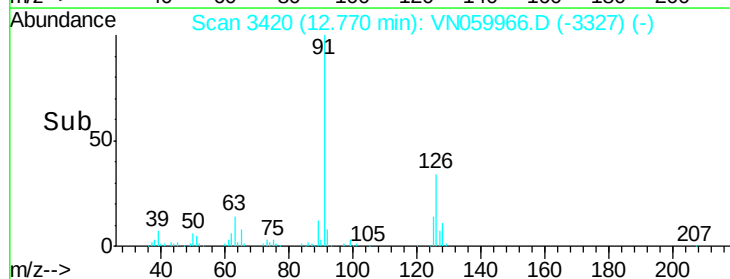
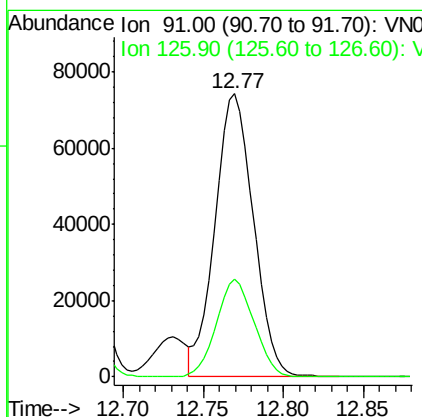
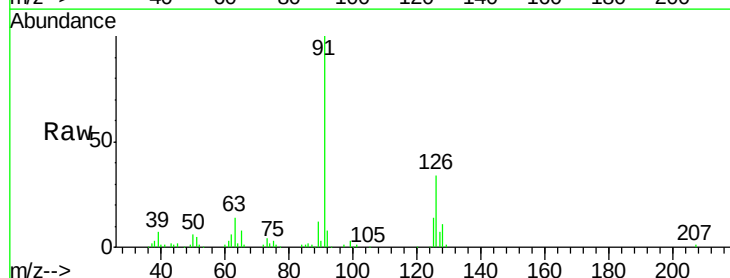
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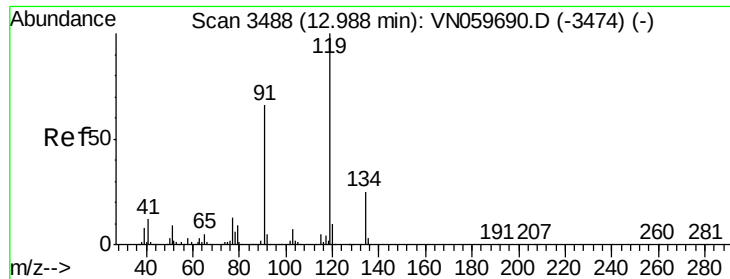
MMDadoda
2/4/2020 11:20:25 AM



#82
4-Chlorotoluene
Concen: 19.682 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.3	48.8





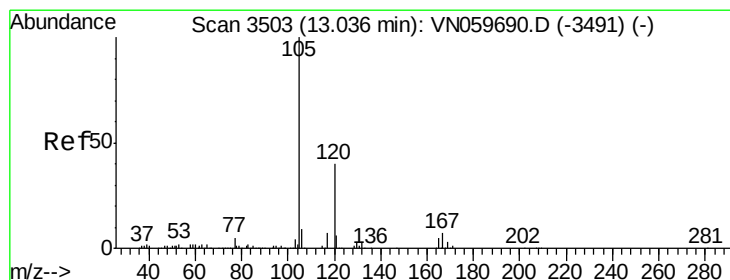
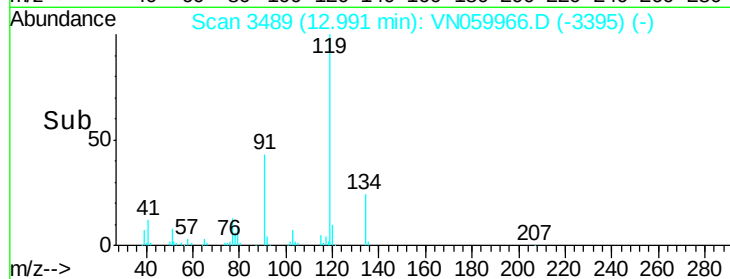
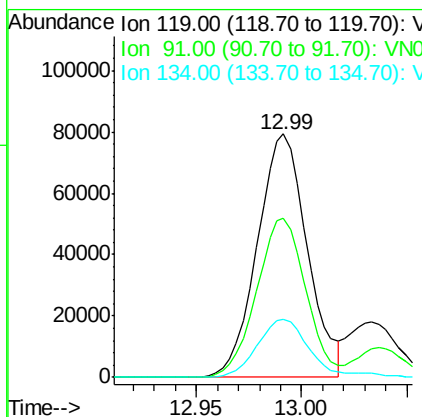
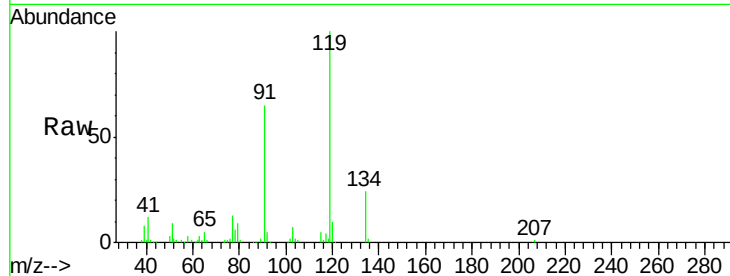
#83
 tert-Butylbenzene
 Concen: 19.395 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	130617		
91	64.3	34.8	104.4	
134	25.2	12.3	36.9	

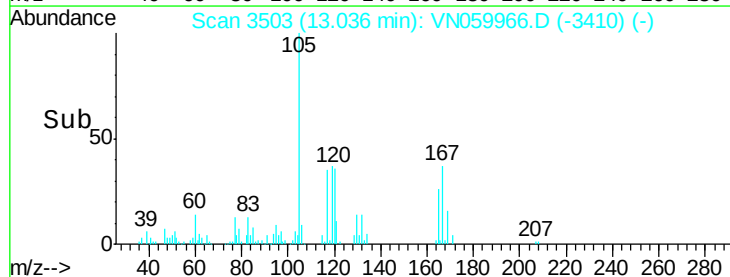
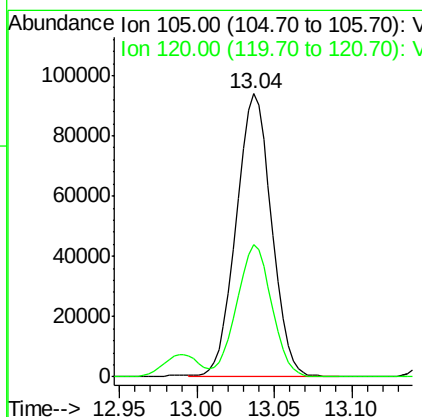
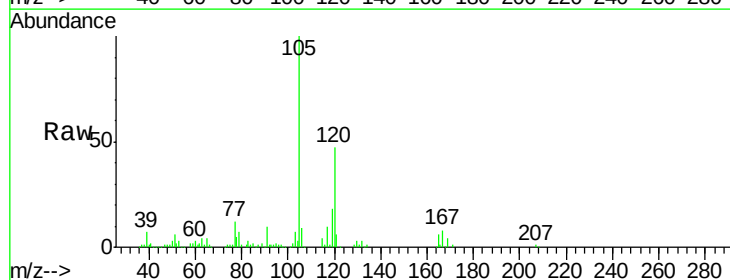
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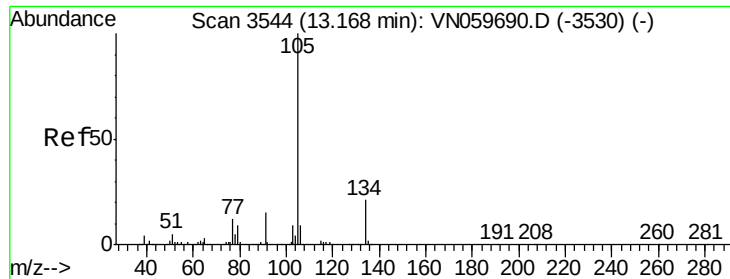
MMDadoda
 2/4/2020 11:20:25 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.287 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	148579		
120	46.5	22.3	66.9	





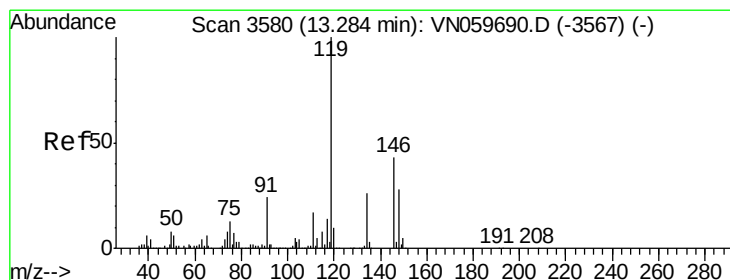
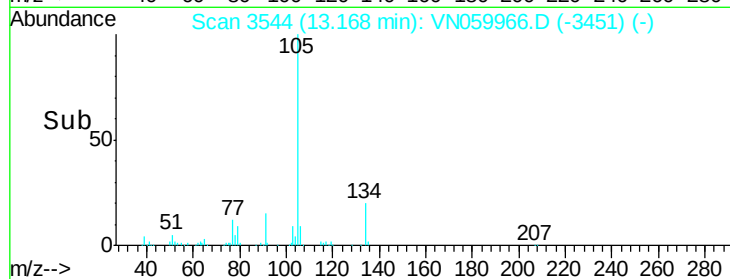
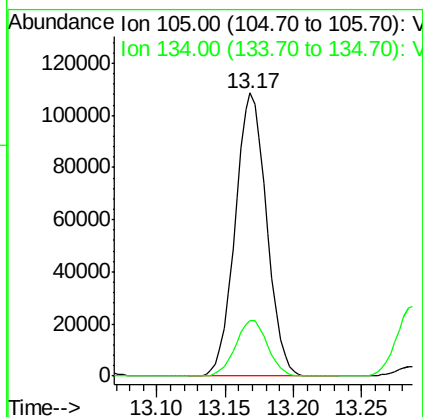
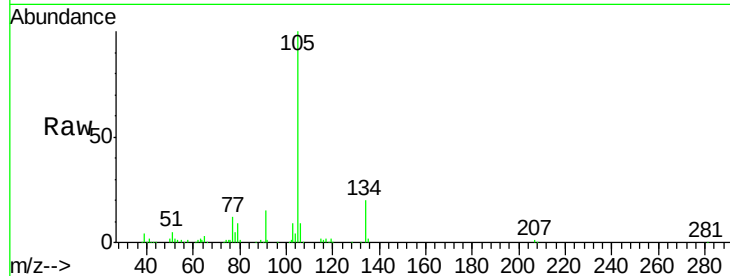
#85
 sec-Butylbenzene
 Concen: 19.592 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	173350		
134	20.1	9.8	29.5	

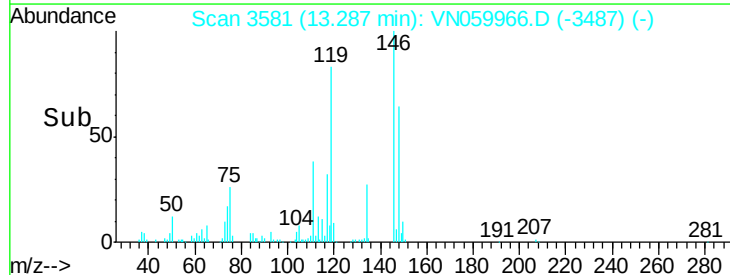
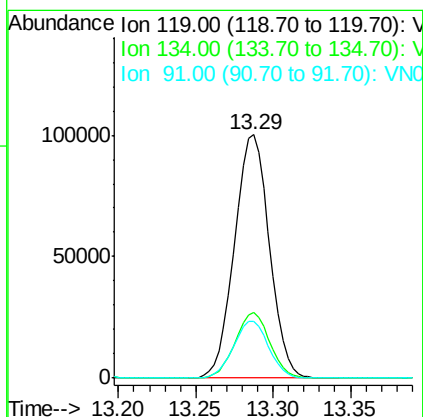
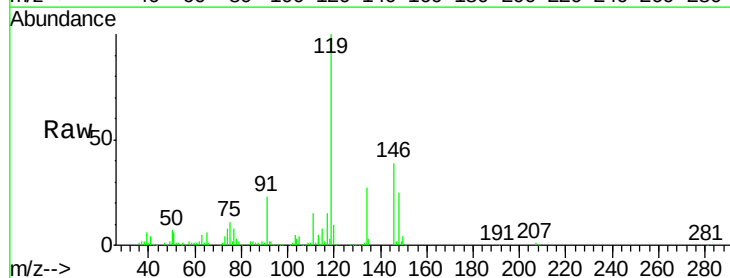
Manual Integrations
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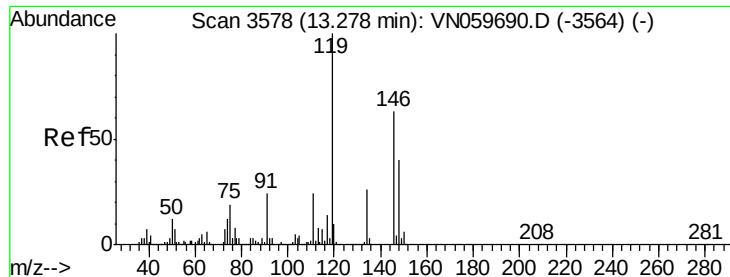
MMDadoda
 2/4/2020 11:20:25 AM



#86
 p-Isopropyltoluene
 Concen: 19.201 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	157203		
134	26.6	12.9	38.7	
91	23.7	12.4	37.4	





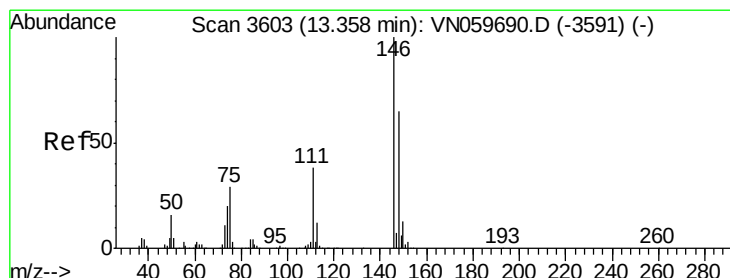
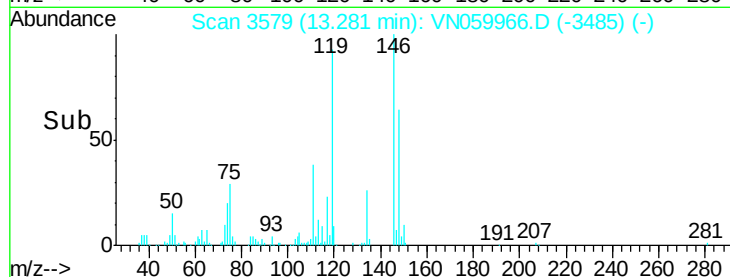
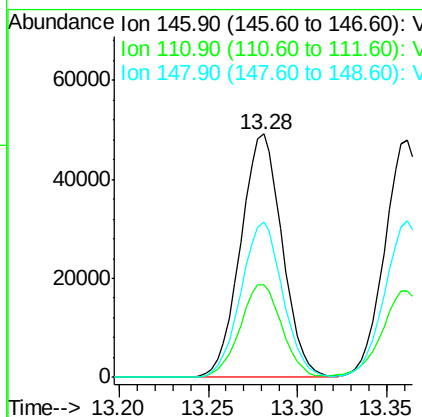
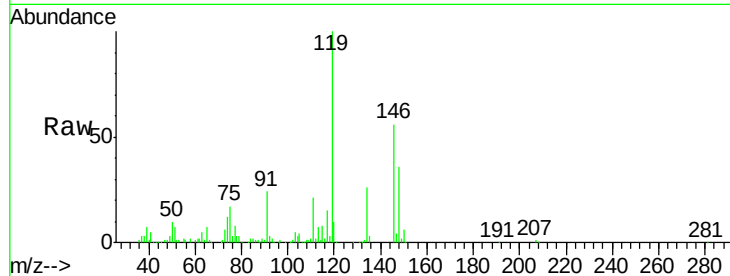
#87
 1,3-Dichlorobenzene
 Concen: 19.736 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.8	62.2
148	63.9	32.0	96.0

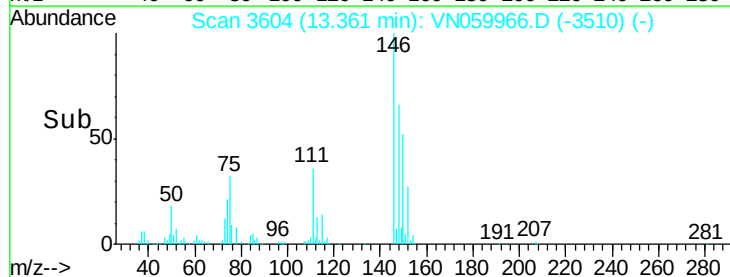
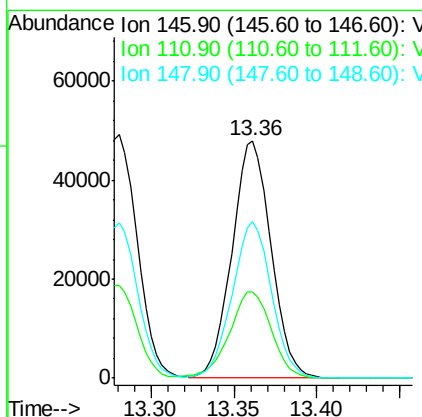
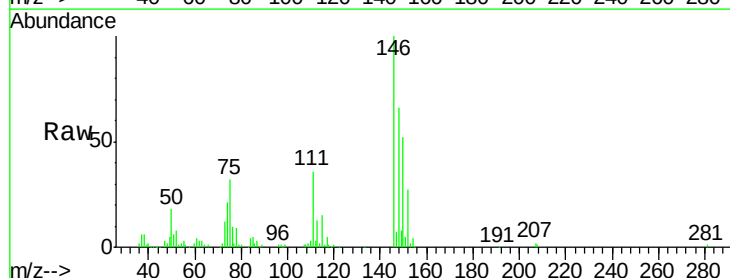
Manual Integrations
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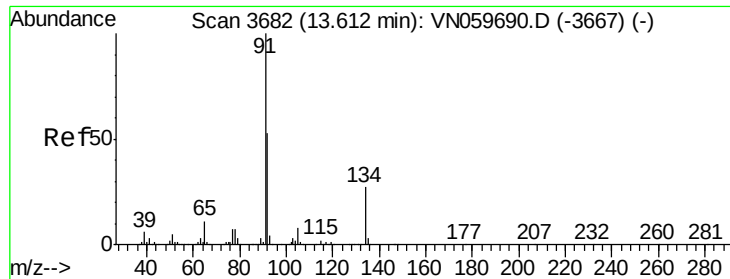
MMDadoda
 2/4/2020 11:20:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.348 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	66.4	31.8	95.4





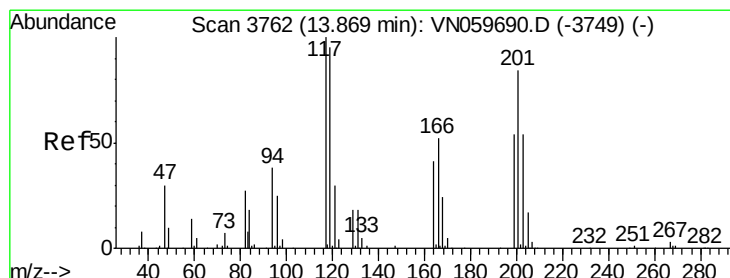
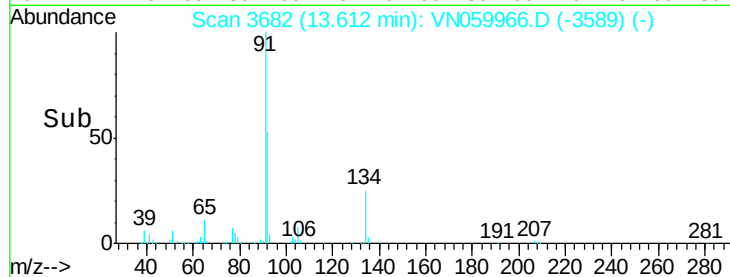
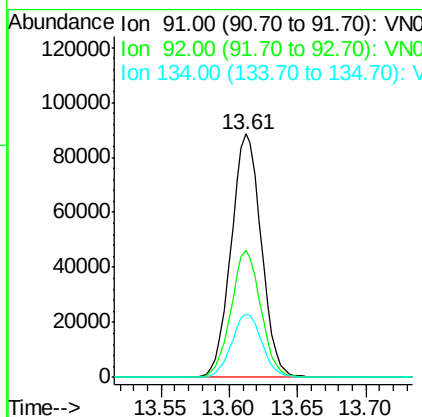
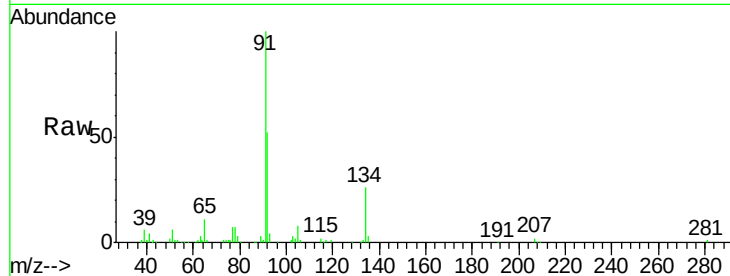
#89
n-Butylbenzene
Concen: 19.512 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.9	77.7
134	26.0	12.3	36.8

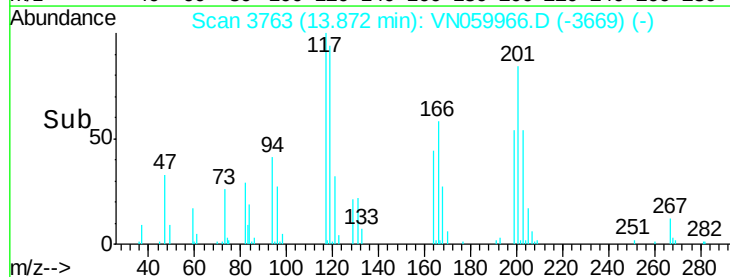
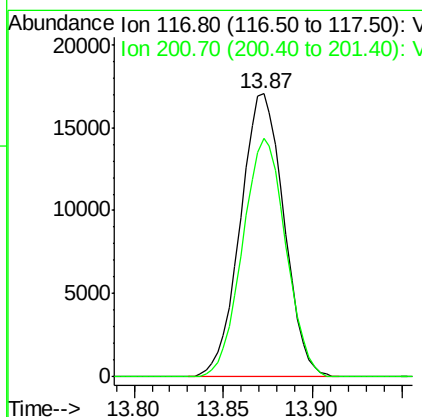
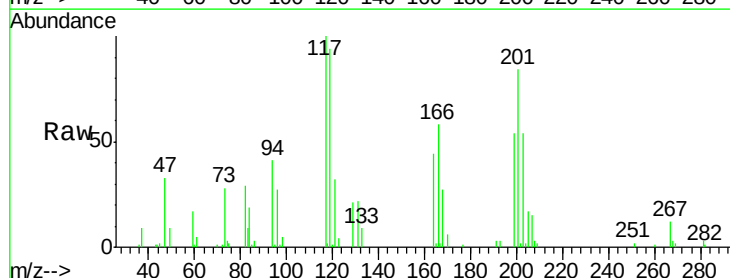
Manual Integrations
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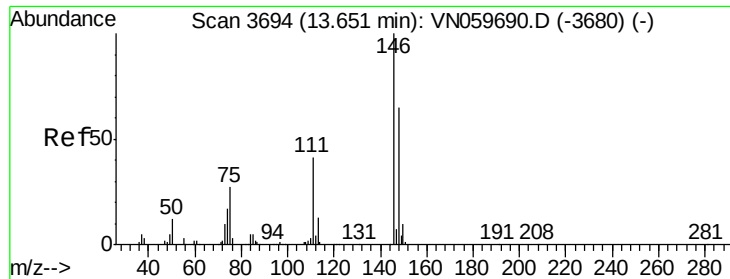
MMDadoda
2/4/2020 11:20:25 AM



#90
Hexachloroethane
Concen: 18.954 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	37.8	113.4





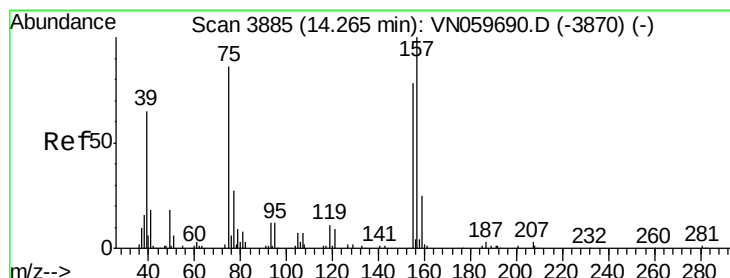
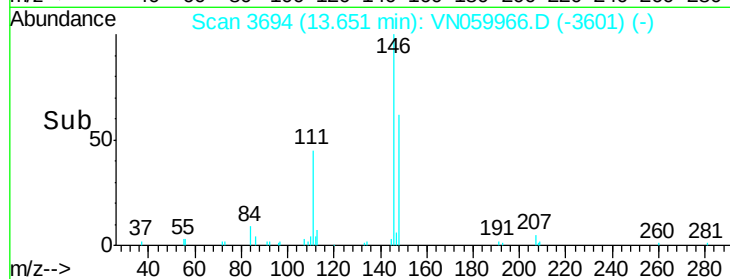
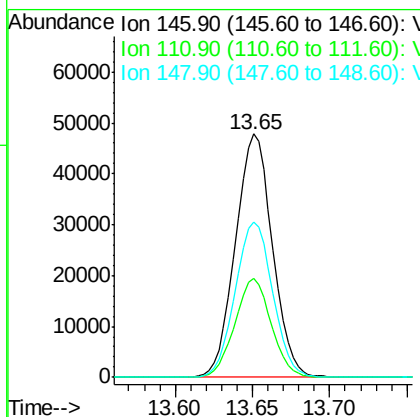
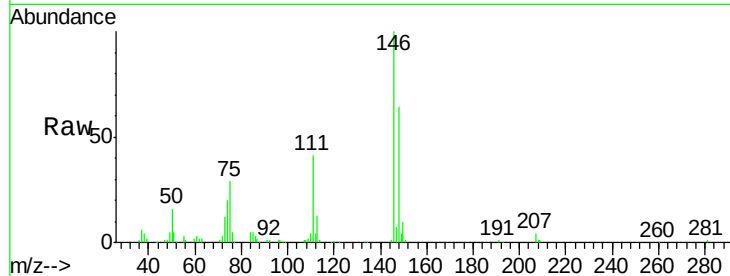
#91
 1,2-Dichlorobenzene
 Concen: 19.728 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.6	64.8
148	64.8	31.6	95.0

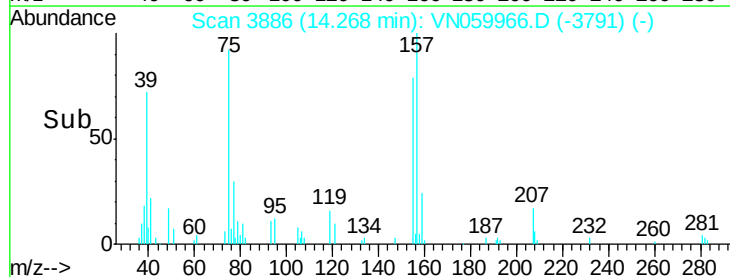
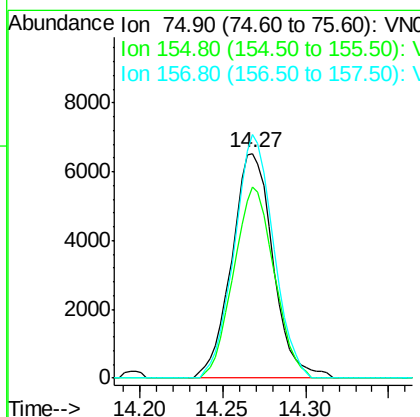
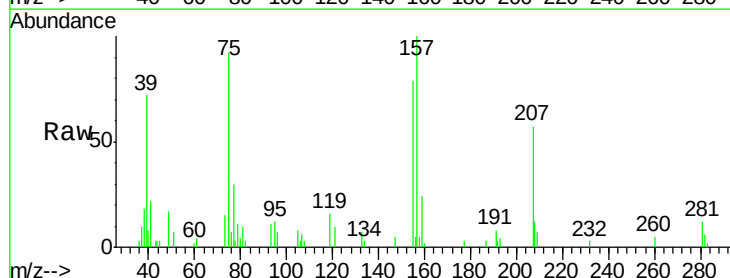
Manual Integrations
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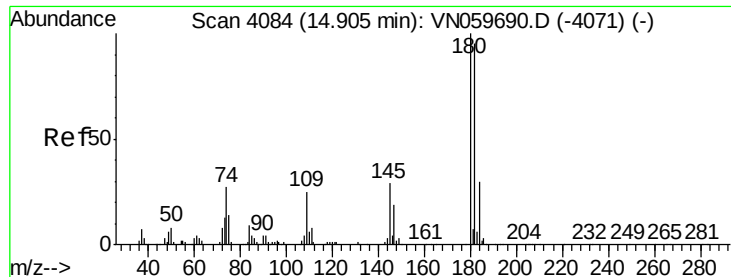
MMDadoda
 2/4/2020 11:20:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.333 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059966.D
 Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	37.0	110.9
157	102.6	48.4	145.2





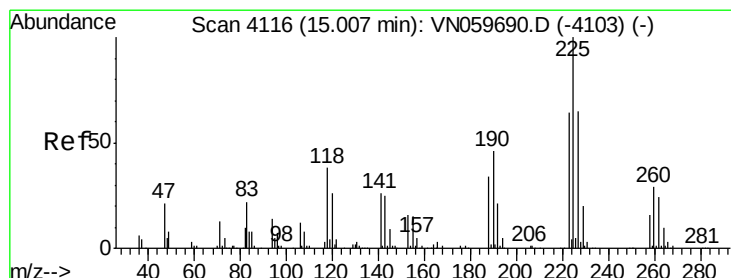
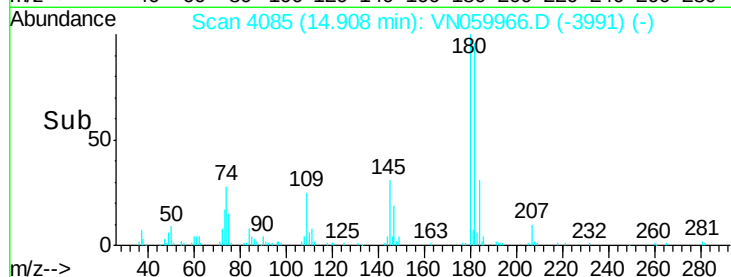
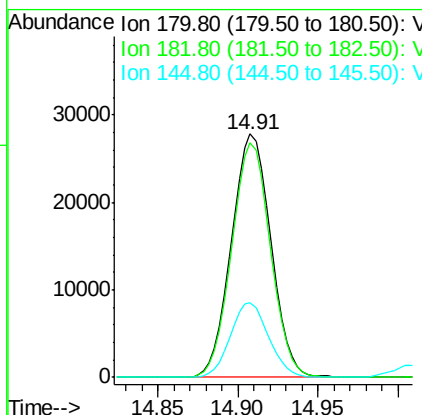
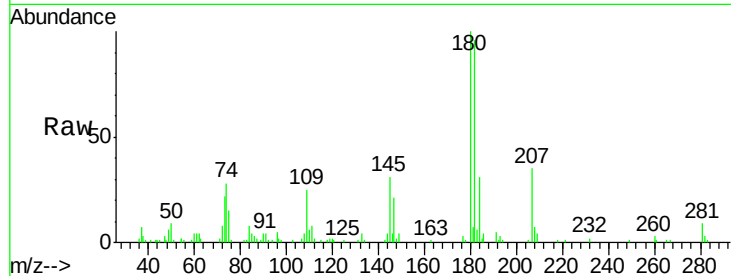
#93
1,2,4-Trichlorobenzene
Concen: 19.301 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46697		
182	94.5	46.9	140.7	
145	29.7	15.0	45.1	

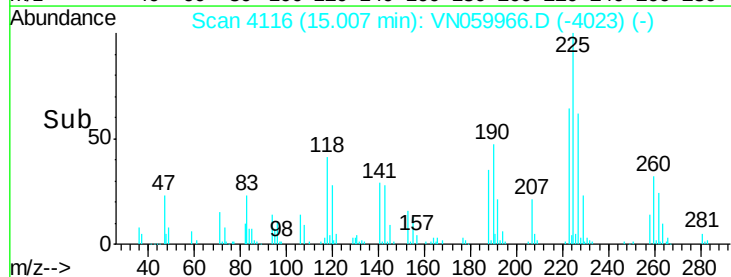
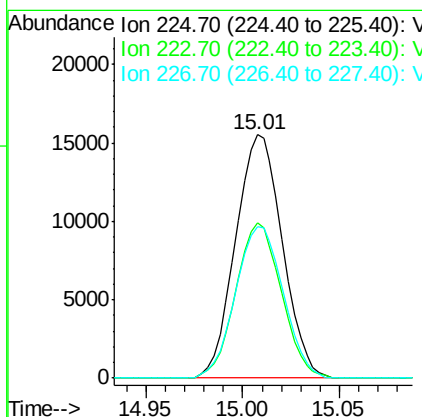
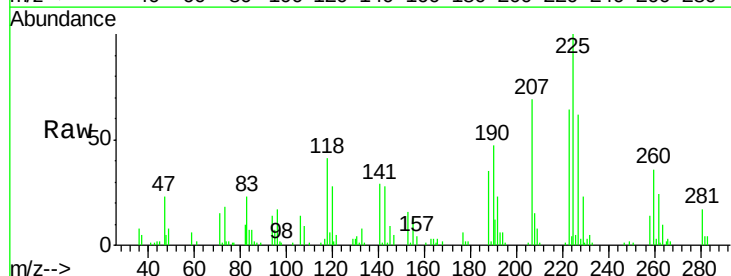
Manual Integrations
APPROVED

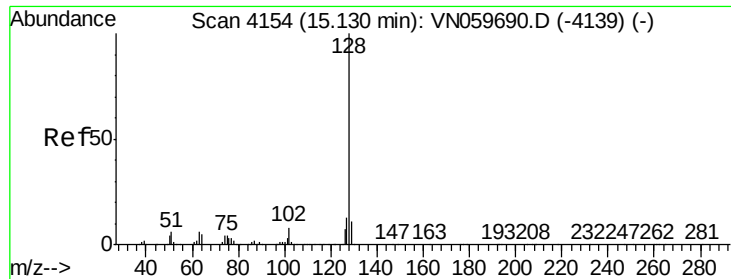
MMDadoda
2/4/2020 11:20:25 AM



#94
Hexachlorobutadiene
Concen: 19.557 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26074		
223	62.1	31.8	95.3	
227	63.3	32.1	96.5	





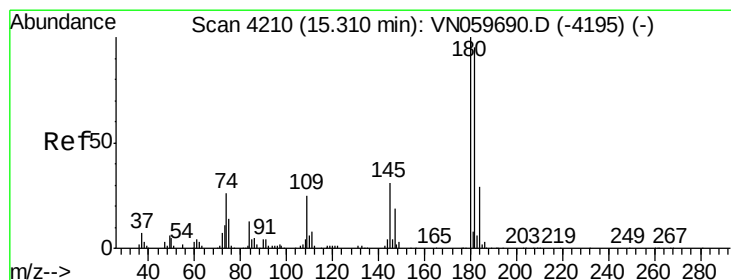
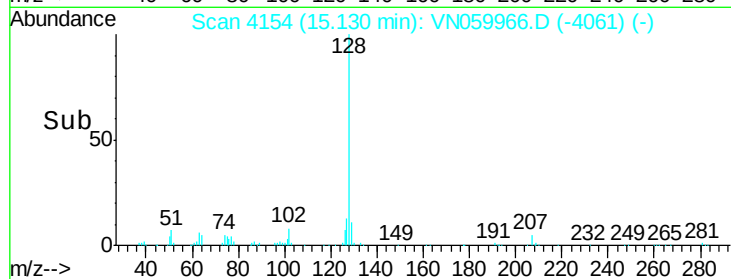
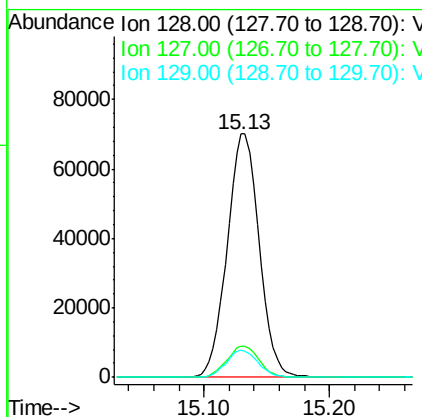
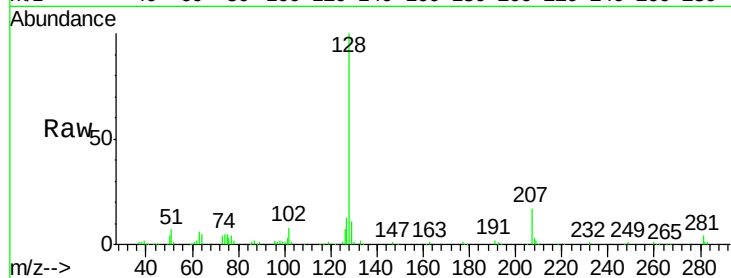
#95
Naphthalene
Concen: 18.038 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/4/2020 11:20:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.508 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN059966.D
Acq: 3 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.3
145	31.3	16.3	48.9

