

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056580.D
 Acq On : 3 Jul 2019 11:06
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070319

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:05:05 AM

Quant Time: Jul 03 11:29:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	50615	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	291135	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	251873	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	106377	30.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.63%
60) 4-Bromofluorobenzene	12.40	95	115706	29.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.67%
63) Toluene-d8	10.09	98	352635	30.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	51566	20.316 ug/l	98
3) Chloromethane	2.06	50	70877	19.240 ug/l	100
4) Vinyl Chloride	2.19	62	70817	20.425 ug/l	98
5) Bromomethane	2.53	94	41566m	22.469 ug/l	
6) Chloroethane	2.68	64	38638m	20.123 ug/l	
7) Trichlorofluoromethane	3.00	101	89977	20.217 ug/l	97
8) Diethyl Ether	3.41	74	38018	20.139 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	55727	19.762 ug/l	95
10) 1,1-Dichloroethene	3.73	96	55271	19.977 ug/l	95
11) Methyl Iodide	3.95	142	86588	21.885 ug/l	99
12) Methyl Acetate	4.33	43	72610	19.460 ug/l	96
13) Acrolein	3.61	56	36422	99.976 ug/l	100
14) Acrylonitrile	4.99	53	163174	99.598 ug/l	97
15) Acetone	3.82	58	46002	100.634 ug/l	95
16) Carbon Disulfide	4.05	76	137505	20.669 ug/l	100
17) Allyl chloride	4.32	41	93574	19.326 ug/l	96
18) Methylene Chloride	4.55	84	65011	19.874 ug/l	93
19) trans-1,2-Dichloroethene	5.04	96	59842	19.942 ug/l	87
20) Diisopropyl ether	5.95	45	201605	20.154 ug/l	97
21) 1,1-Dichloroethane	5.85	63	111726	19.800 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	70043	19.849 ug/l	94
23) tert-Butyl Alcohol	4.80	59	62836	102.530 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	183806	20.086 ug/l	100
25) Chloroform	7.37	83	109323	19.766 ug/l	100
26) Cyclohexane	7.65	56	102476	19.717 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	84089	19.560 ug/l	98
30) 2-Butanone	6.84	43	231256	97.031 ug/l	98
31) 2,2-Dichloropropane	6.82	77	77637	18.781 ug/l	# 75
32) 1,1,1-Trichloroethane	7.57	97	86805	18.940 ug/l	99
33) Carbon Tetrachloride	7.77	117	72367	18.626 ug/l	96
34) Benzene	8.04	78	257509	19.155 ug/l	98
35) Methacrylonitrile	7.18	41	42569m	20.112 ug/l	
36) 1,2-Dichloroethane	8.12	62	84682	19.381 ug/l	# 86
37) Trichloroethene	8.84	130	67248	19.180 ug/l	91
38) Methylcyclohexane	9.08	83	105239	19.533 ug/l	99
39) 1,2-Dichloropropane	9.12	63	69504	19.206 ug/l	95
40) Dibromomethane	9.21	93	42969	19.208 ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	76014	18.334	ug/l	99
42) Vinyl Acetate	5.90	43	825273	97.249	ug/l	98
43) Ethyl Acetate	6.93	43	88228	19.137	ug/l	100
44) Isopropyl Acetate	8.17	43	135025	18.772	ug/l #	83
45) 1,4-Dioxane	9.21	88	27066	384.562	ug/l	90
46) Methyl methacrylate	9.20	41	66137	18.713	ug/l	95
47) n-amyl Acetate	12.07	43	112289	18.781	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	83898	18.881	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	97103	18.946	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	63346	19.222	ug/l	97
51) Ethyl methacrylate	10.43	69	100005	19.268	ug/l	98
52) 1,3-Dichloropropane	10.71	76	106836	19.078	ug/l	98
53) Dibromochloromethane	10.90	129	59853	18.530	ug/l	98
54) 1,2-Dibromoethane	11.00	107	65761	19.151	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	261525	98.883	ug/l	98
56) Bromoform	12.13	173	41856	17.834	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	448031	98.933	ug/l	97
59) 2-Hexanone	10.75	43	329937	98.182	ug/l	98
61) Tetrachloroethene	10.63	164	64824	20.505	ug/l	95
62) Toluene	10.16	91	274345	19.516	ug/l	98
64) Chlorobenzene	11.43	112	167016	19.721	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	59670	19.564	ug/l	97
66) Ethyl Benzene	11.51	91	295403	19.381	ug/l	100
67) m/p-Xylenes	11.62	106	221765	39.425	ug/l	94
68) o-Xylene	11.95	106	107290	19.287	ug/l	93
69) Styrene	11.96	104	178460	19.282	ug/l	98
70) Isopropylbenzene	12.25	105	287477	19.807	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	93356	19.456	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	76232m	18.892	ug/l	
73) Bromobenzene	12.53	156	72976	19.495	ug/l	90
74) n-propylbenzene	12.59	91	322905	19.610	ug/l	97
75) 2-Chlorotoluene	12.67	91	194172	19.720	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	242012	19.691	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	23025	17.814	ug/l	96
78) 4-Chlorotoluene	12.77	91	189099	19.747	ug/l	98
79) tert-butylbenzene	12.99	119	205245	19.546	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	239368	19.719	ug/l	98
81) sec-Butylbenzene	13.17	105	275479	19.783	ug/l	98
82) p-Isopropyltoluene	13.29	119	246823	19.715	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	122768	19.749	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	121112	20.197	ug/l	99
85) n-Butylbenzene	13.61	91	203807	19.371	ug/l	97
86) Hexachloroethane	13.87	117	35629	18.874	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	126281	20.004	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16311	18.970	ug/l	87
89) 1,2,4-Trichlorobenzene	14.91	180	74112	21.240	ug/l	99
90) Hexachlorobutadiene	15.01	225	44288	20.430	ug/l	98
91) Naphthalene	15.13	128	220365	22.505	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	82929	22.641	ug/l	99

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QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

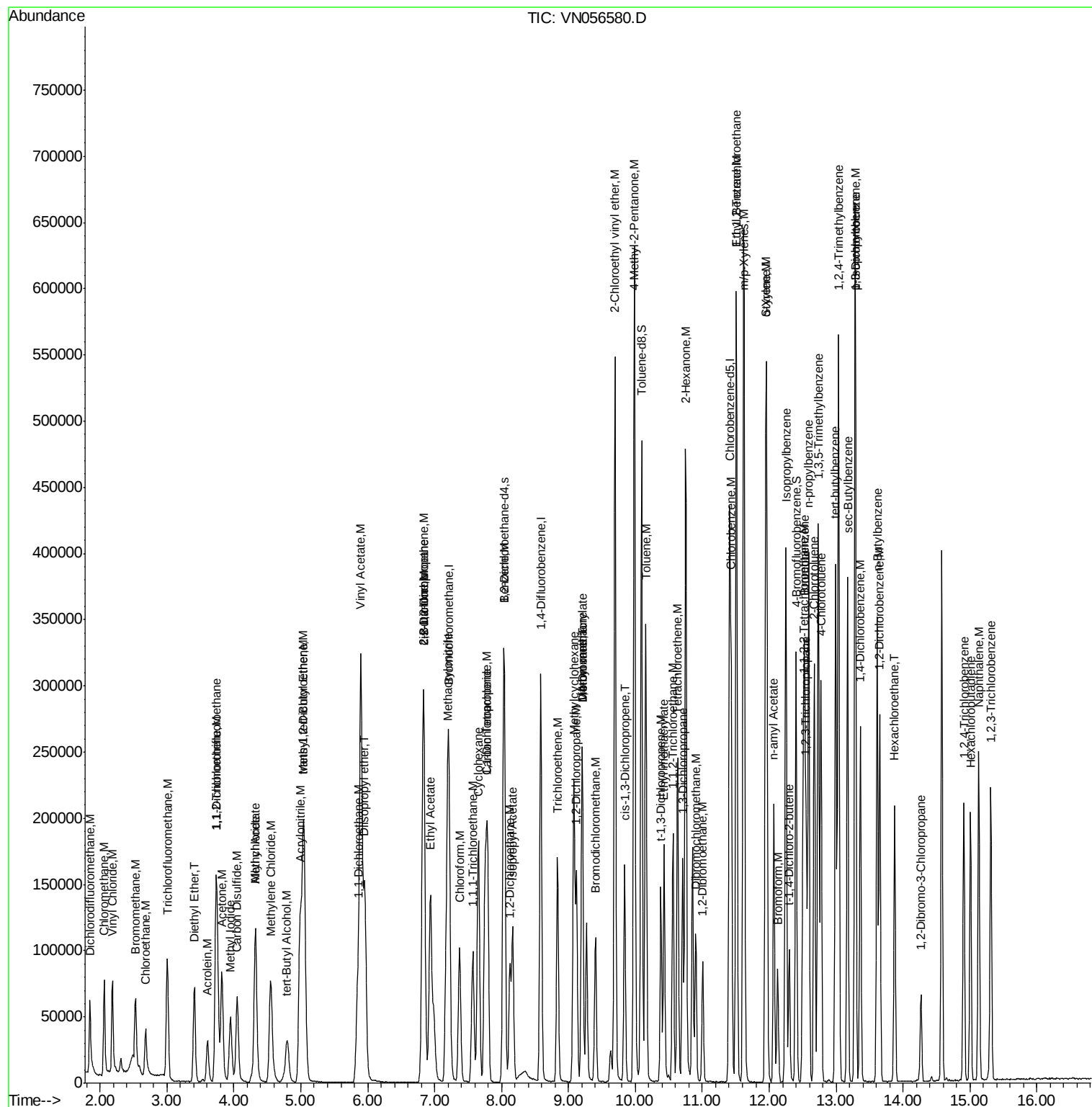
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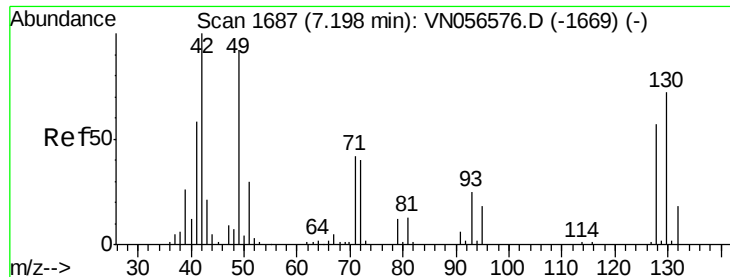
Instrument :
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Manual Integrations
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MMDadoda
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

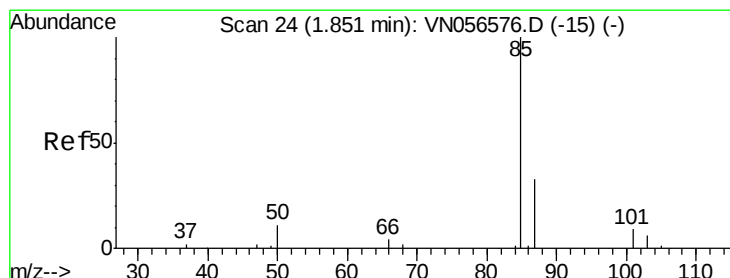
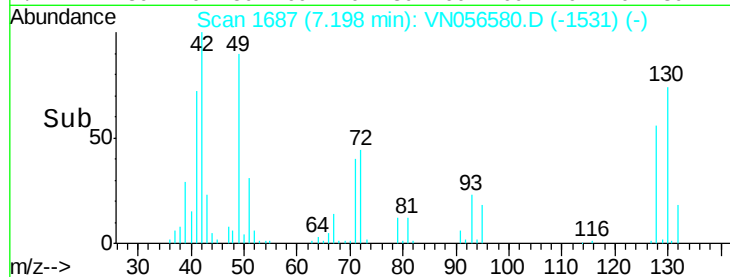
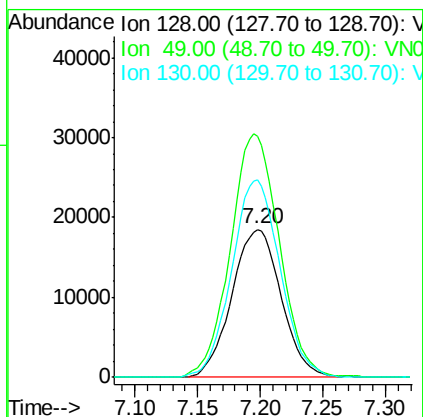
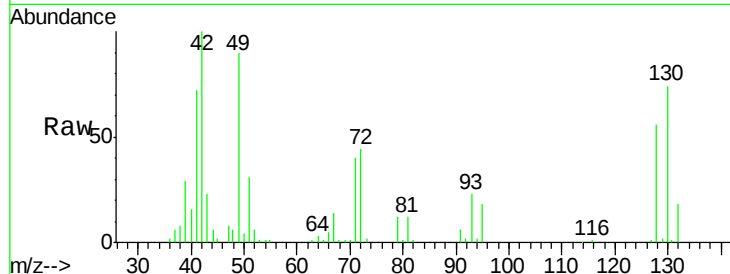
ClientSampled :

ICVVN070319

Tot Ion:	128	Resp:	50615
Ion	Ratio	Lower	Upper
128	100		
49	163.0	0.0	355.8
130	131.2	0.0	326.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.316 ug/l

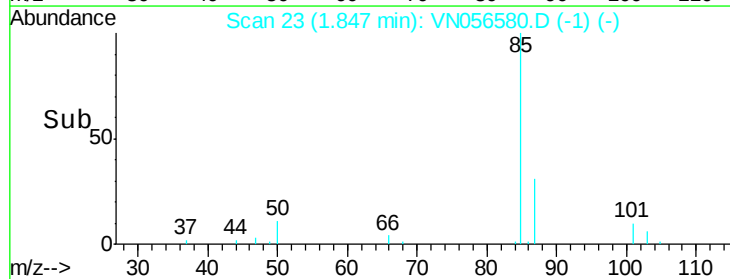
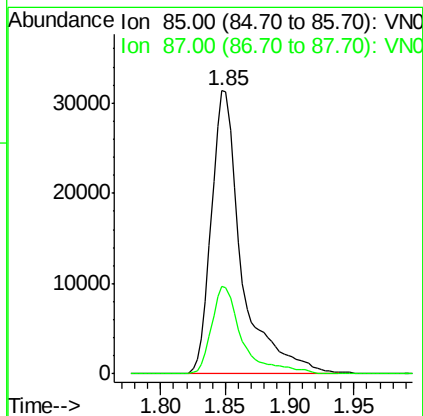
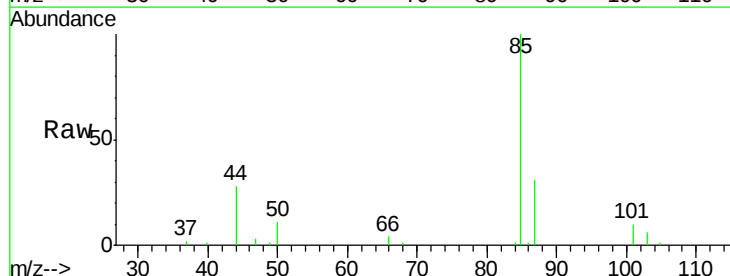
RT: 1.85 min Scan# 23

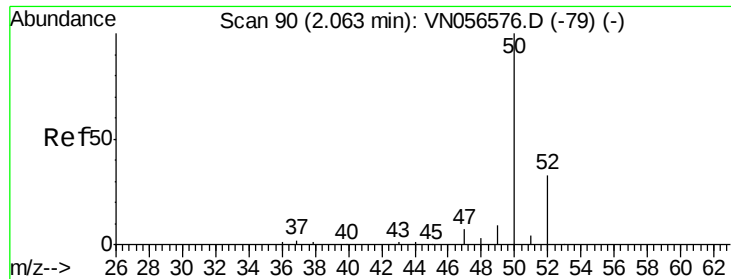
Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tgt Ion:	85	Resp:	51566
Ion	Ratio	Lower	Upper
85	100		
87	30.8	15.9	47.7





#3

Chloromethane

Concen: 19.240 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN070319

Tot Ion: 50 Resp: 70877

Ion Ratio Lower Upper

50 100

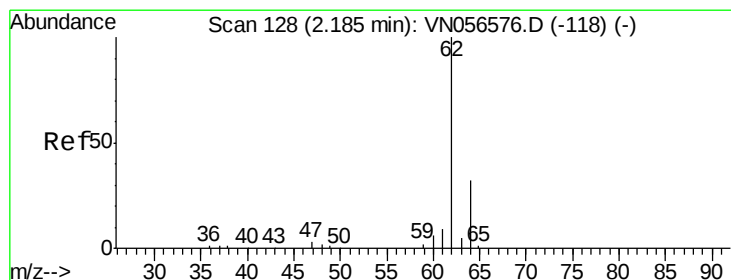
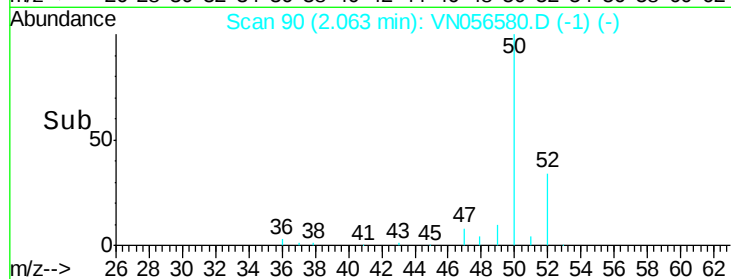
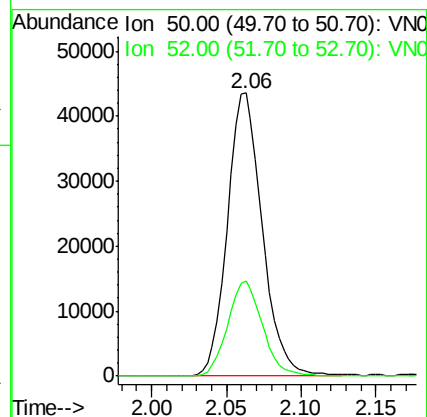
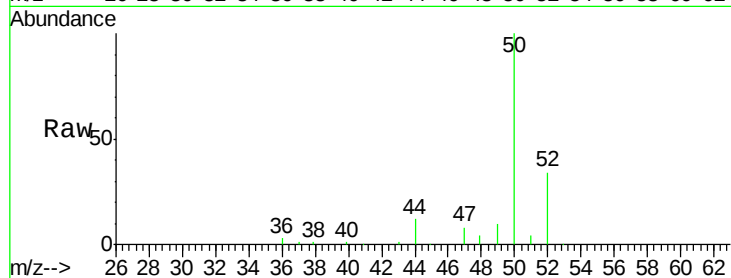
52 33.6 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.425 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056580.D

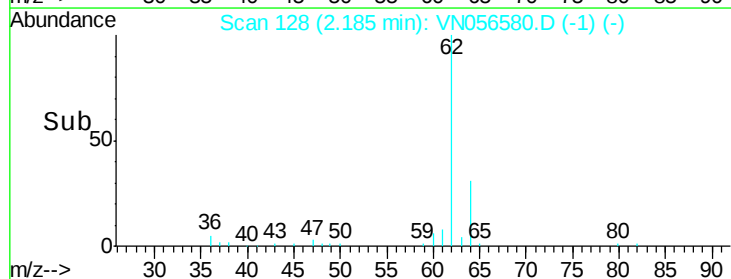
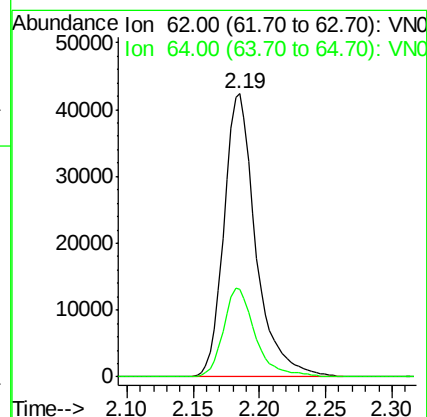
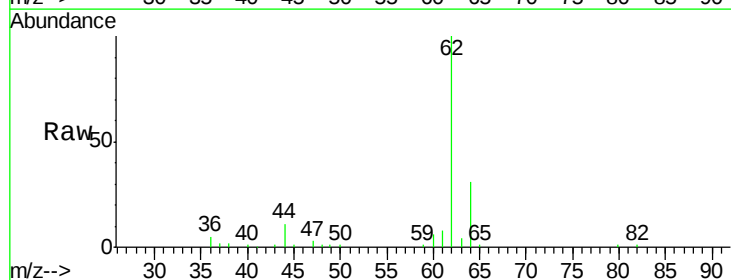
Acq: 3 Jul 2019 11:06

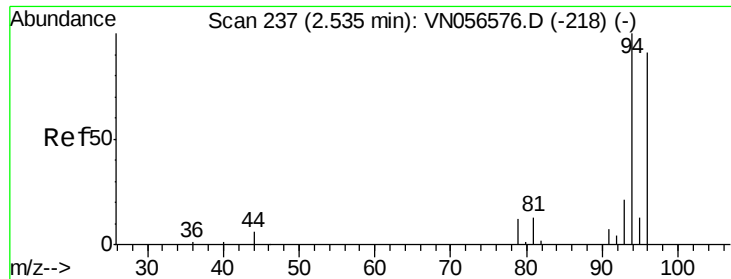
Tgt Ion: 62 Resp: 70817

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 22.469 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tot Ion: 94 Resp: 41566

Ion Ratio Lower Upper

94 100

96 90.0 74.1 111.1

Instrument :

MSVOA_N

ClientSampleId :

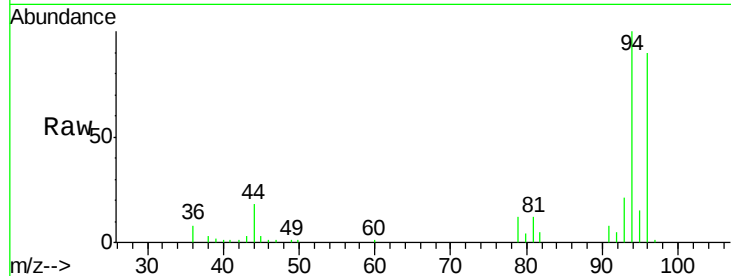
ICVVN070319

Manual Integrations

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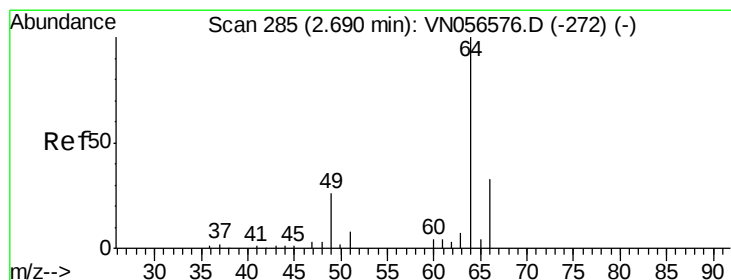
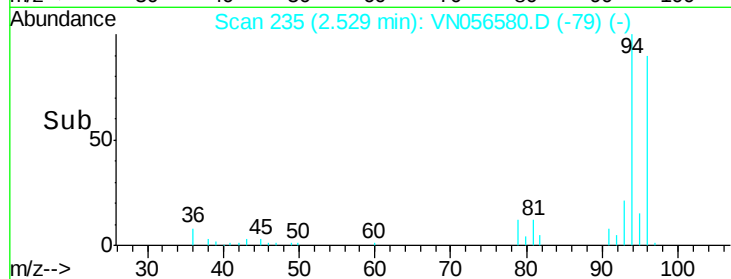
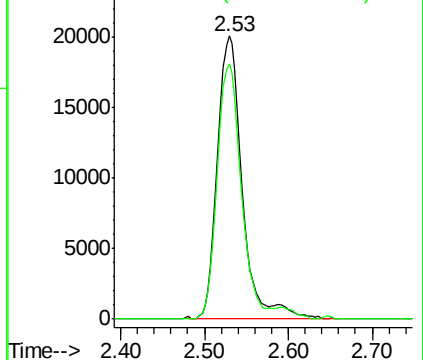
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.123 ug/l m

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN056580.D

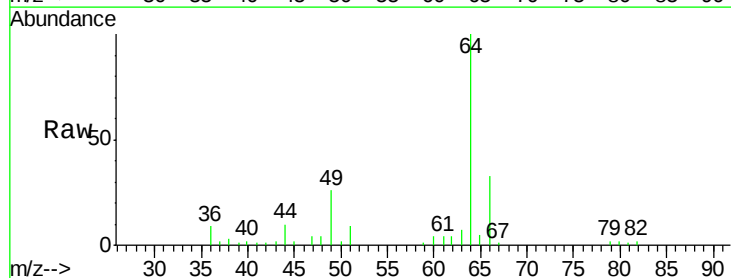
Acq: 3 Jul 2019 11:06

Tgt Ion: 64 Resp: 38638

Ion Ratio Lower Upper

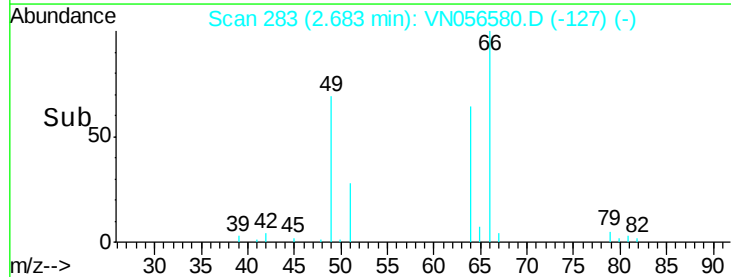
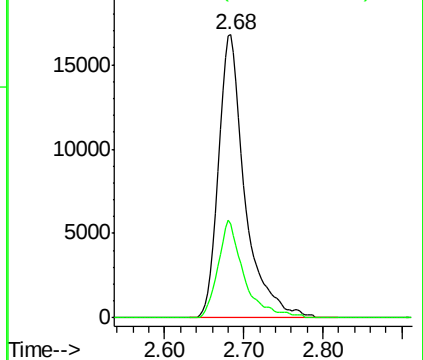
64 100

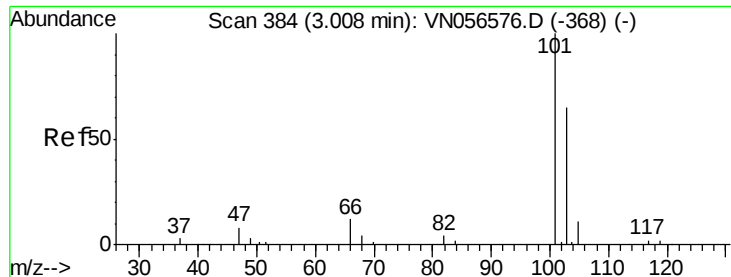
66 33.0 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

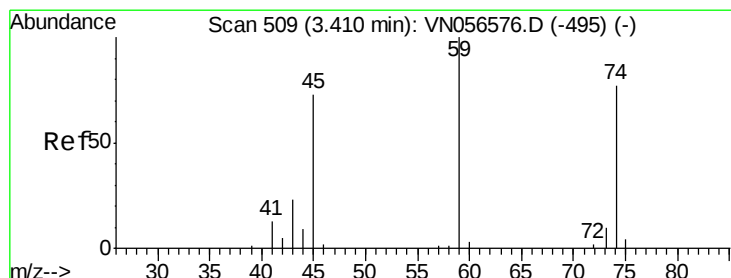
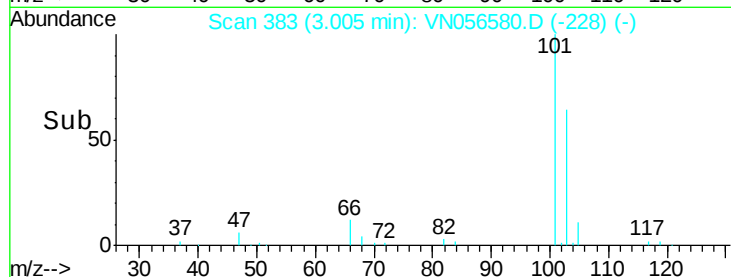
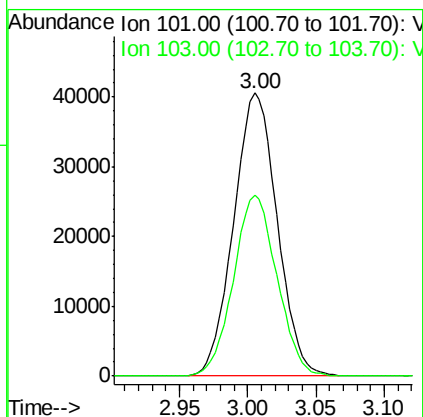
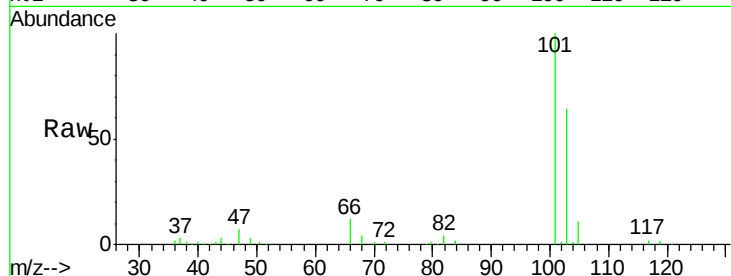
Trichlorofluoromethane
Concen: 20.217 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
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ClientSampled :
ICVVN070319

Tot Ion:101 Resp: 89977
Ion Ratio Lower Upper
101 100
103 63.9 53.4 80.0

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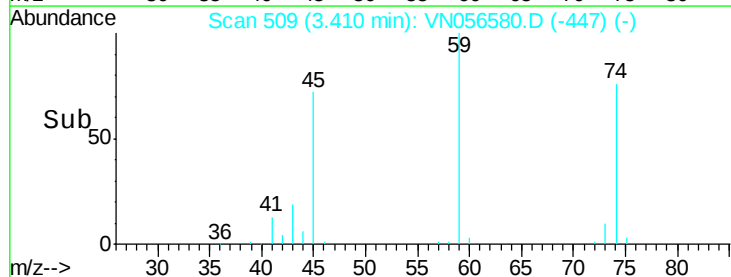
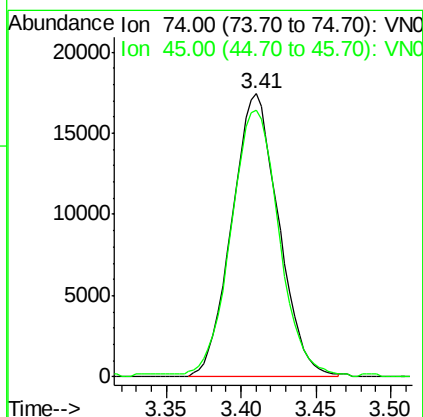
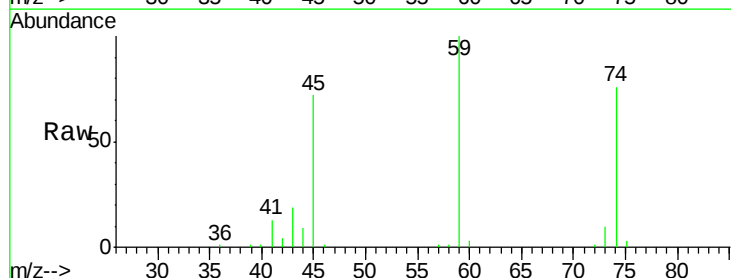
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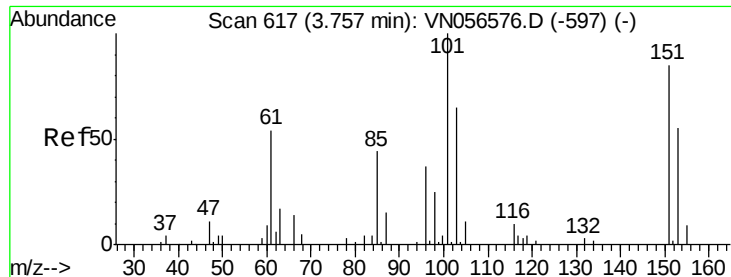


#8

Diethyl Ether
Concen: 20.139 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion: 74 Resp: 38018
Ion Ratio Lower Upper
74 100
45 97.1 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.762 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

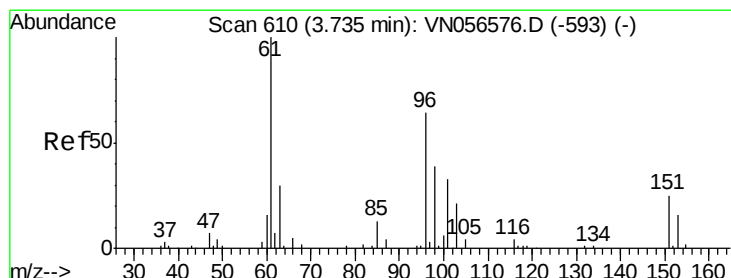
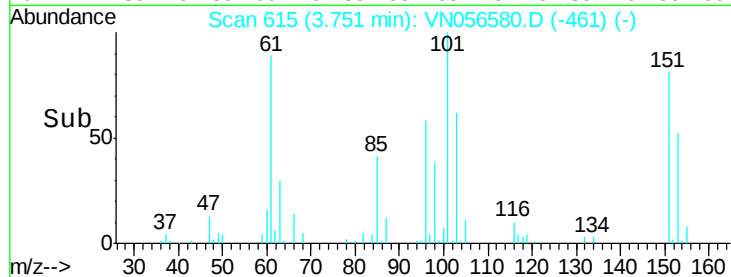
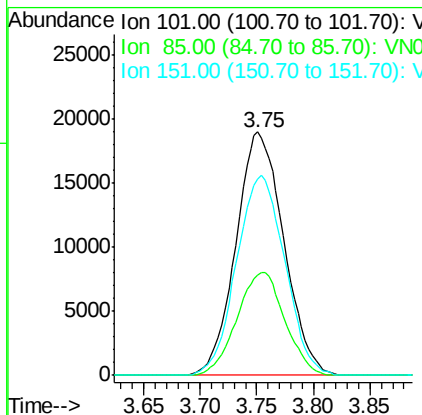
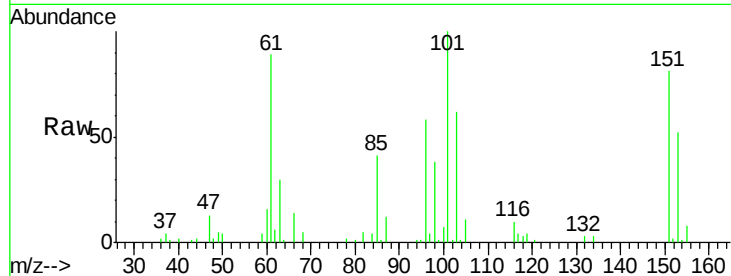
ClientSampled :

ICVVN070319

Tot Ion:	101	Resp:	55727
Ion Ratio	Lower	Upper	
101	100		
85	42.3	0.0	82.0
151	83.2	0.0	177.0

Manual Integrations
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MMDadoda
7/8/2019 10:05:05 AM



#10

1,1-Dichloroethene

Concen: 19.977 ug/l

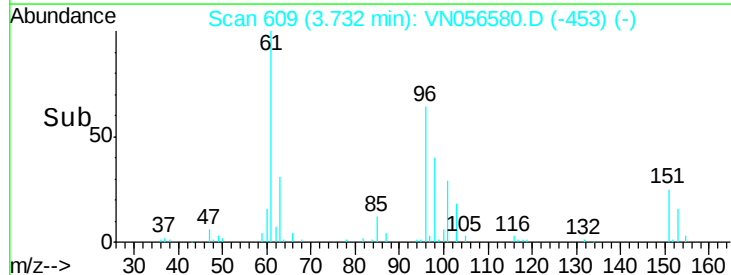
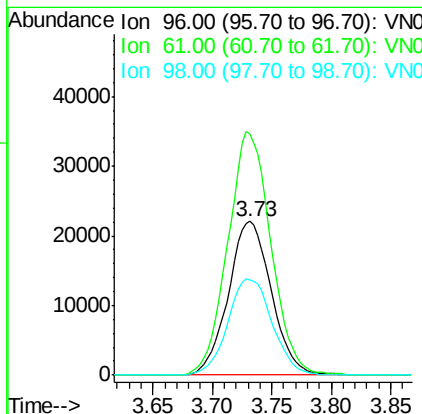
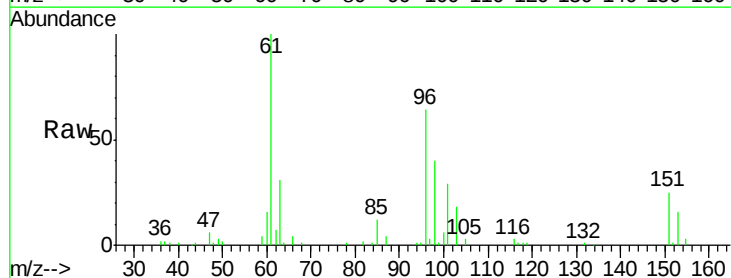
RT: 3.73 min Scan# 609

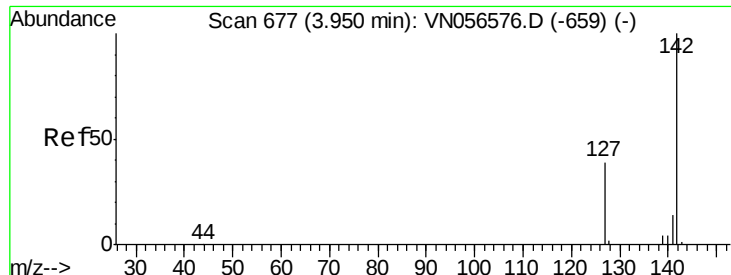
Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tgt Ion:	96	Resp:	55271
Ion Ratio	Lower	Upper	
96	100		
61	155.7	119.7	179.5
98	62.3	52.3	78.5





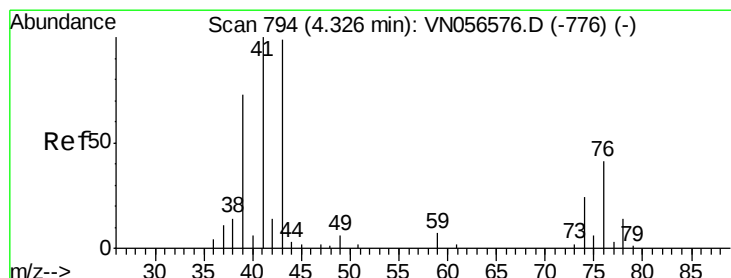
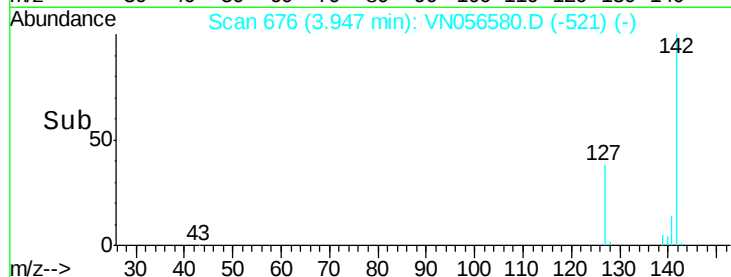
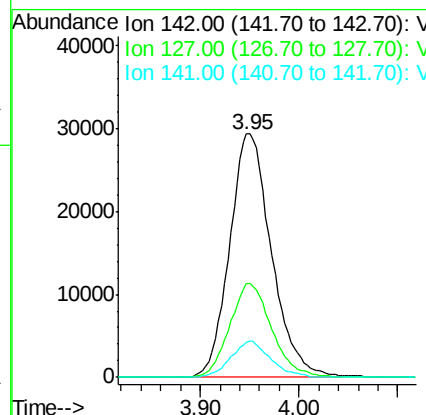
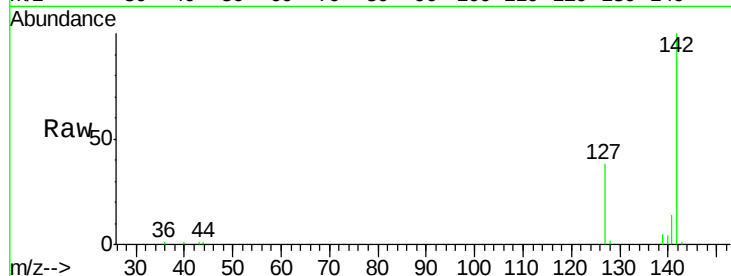
#11
Methyl Iodide
Concen: 21.885 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.5	19.0	57.0
141	14.0	6.7	20.0

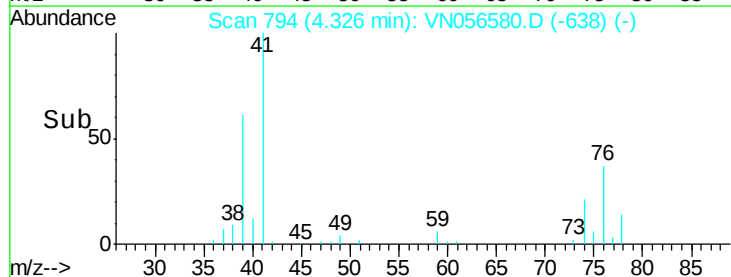
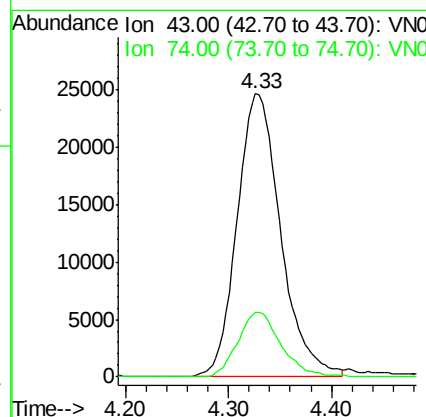
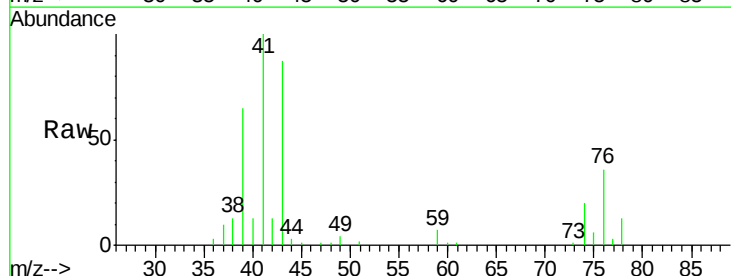
Manual Integrations
APPROVED

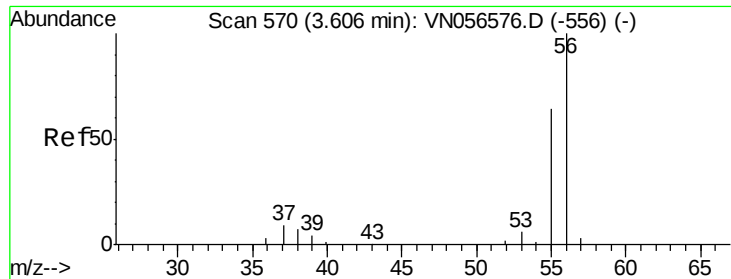
MMDadoda
7/8/2019 10:05:05 AM



#12
Methyl Acetate
Concen: 19.460 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.9	29.9





#13

Acrolein

Concen: 99.976 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tot Ion: 56 Resp: 36422

Ion Ratio Lower Upper

56 100

55 72.8 57.9 86.9

Instrument :

MSVOA_N

ClientSampleId :

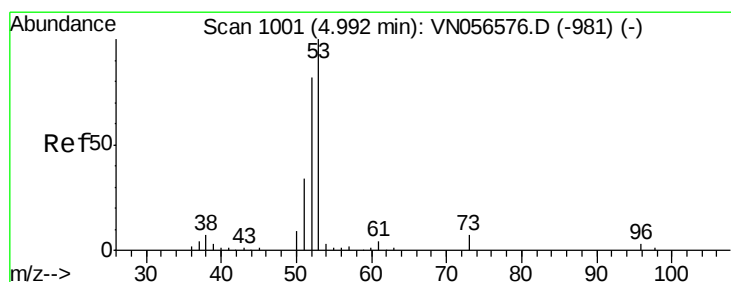
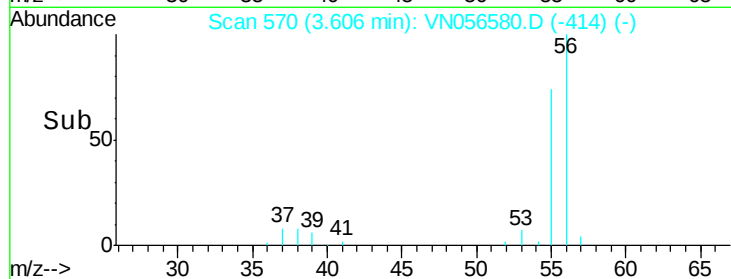
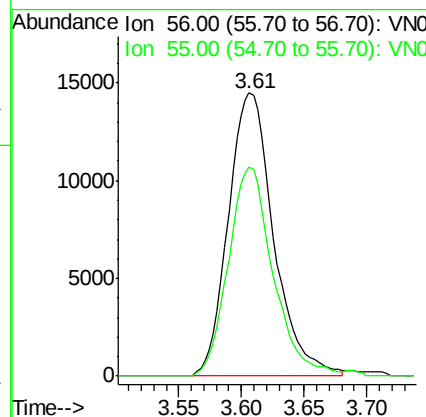
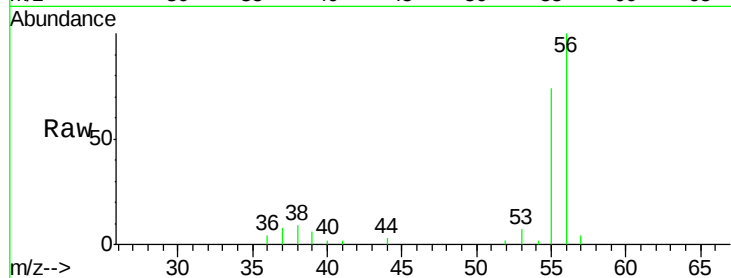
ICVVN070319

Manual Integrations

APPROVED

MMDadoda

7/8/2019 10:05:05 AM



#14

Acrylonitrile

Concen: 99.598 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

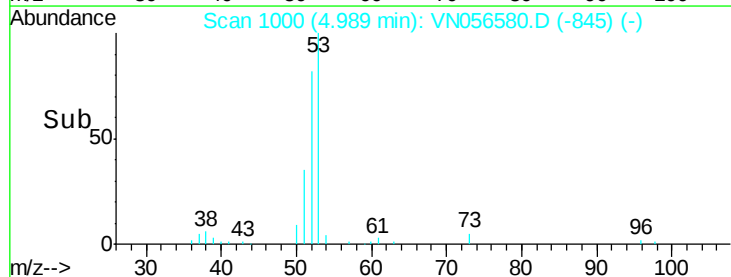
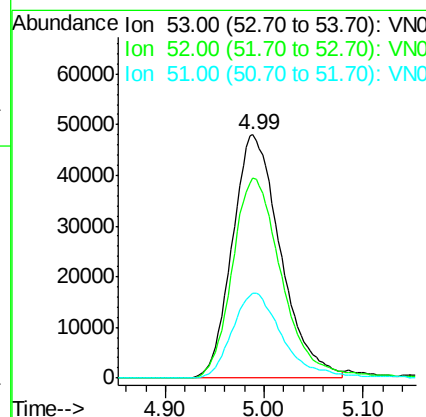
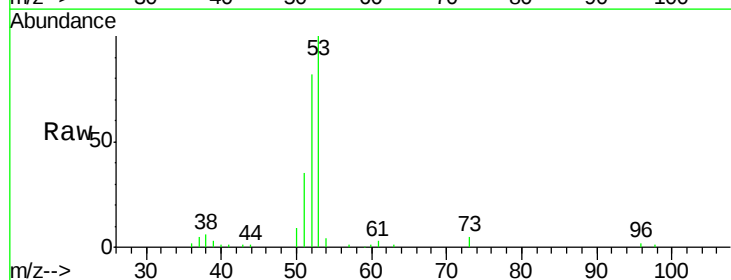
Tgt Ion: 53 Resp: 163174

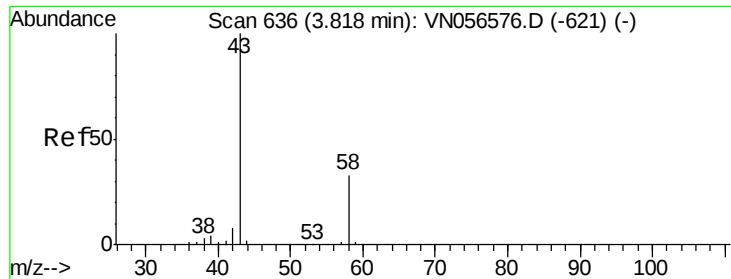
Ion Ratio Lower Upper

53 100

52 83.9 40.8 122.2

51 36.1 17.3 52.0





#15

Acetone

Concen: 100.634 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN070319

Tot Ion: 58 Resp: 46002

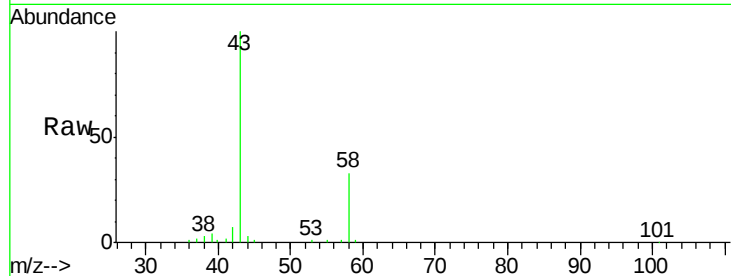
Ion Ratio Lower Upper

58 100

43 300.8 232.5 348.7

Manual Integrations
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MMDadoda
7/8/2019 10:05:05 AM



Abundance Ion 58.00 (57.70 to 58.70): VN056576.D (-621) (-)

Ion 43.00 (42.70 to 43.70): VN056576.D (-621) (-)

60000

50000

40000

30000

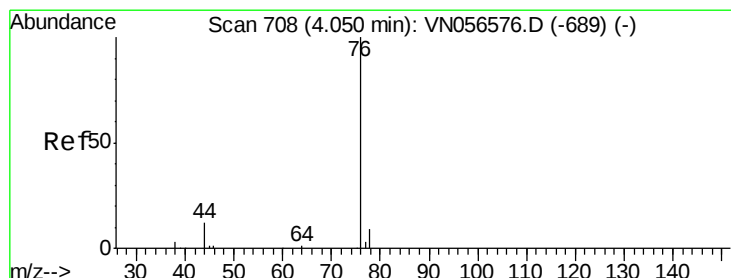
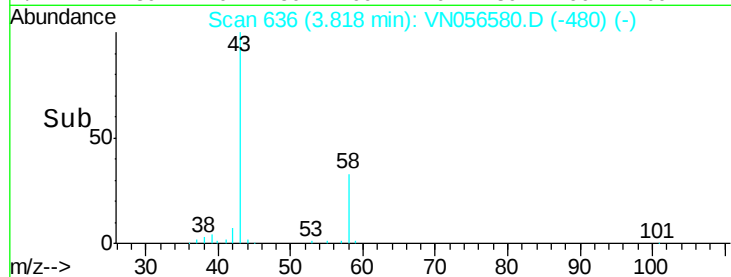
20000

10000

0

3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 20.669 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056580.D

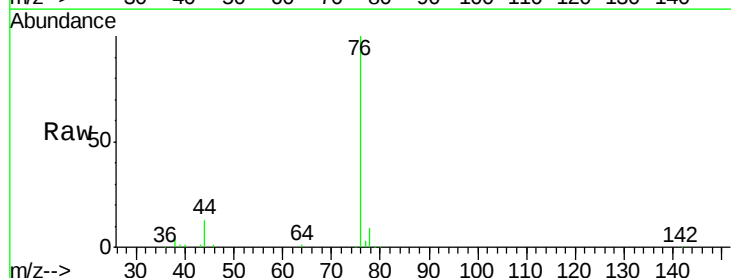
Acq: 3 Jul 2019 11:06

Tgt Ion: 76 Resp: 137505

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN056576.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN056576.D (-689) (-)

50000

40000

30000

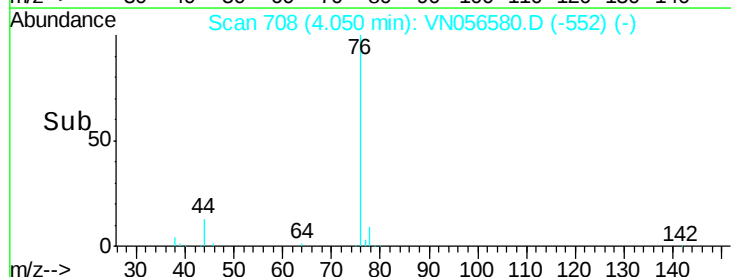
20000

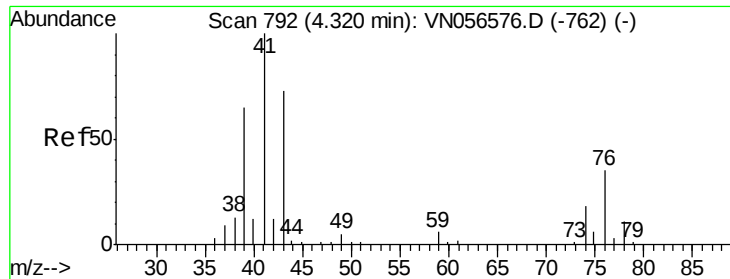
10000

0

3.90 4.00 4.10 4.20

Time-->





#17

Allvl chloride

Concen: 19.326 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

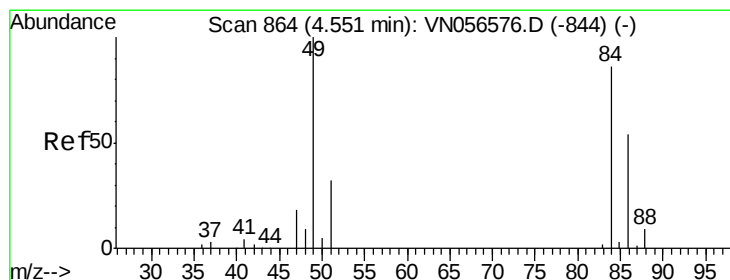
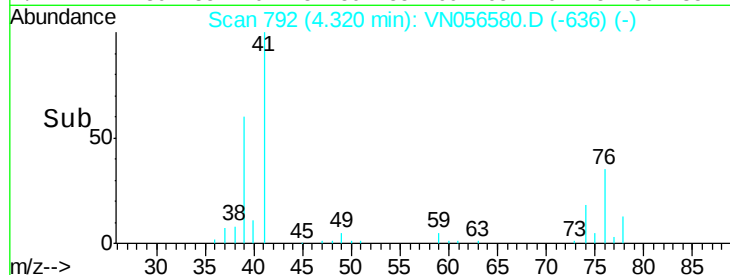
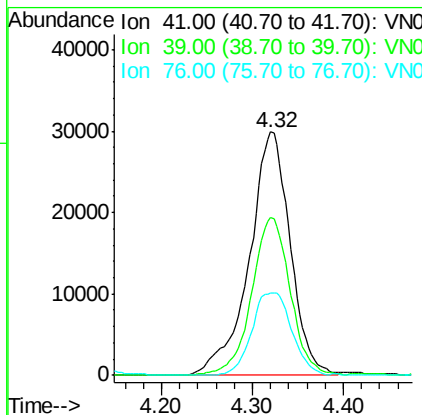
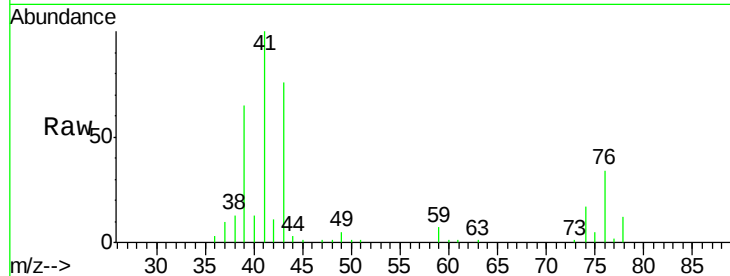
ClientSampled :

ICVVN070319

Tot Ion:	41	Resp:	93574
Ion	Ratio	Lower	Upper
41	100		
39	64.7	33.0	99.0
76	33.7	18.9	56.9

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:05:05 AM



#18

Methylene Chloride

Concen: 19.874 ug/l

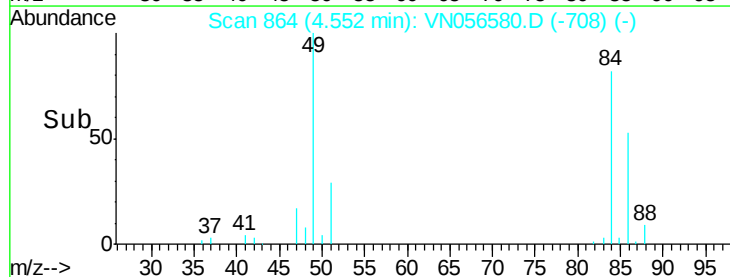
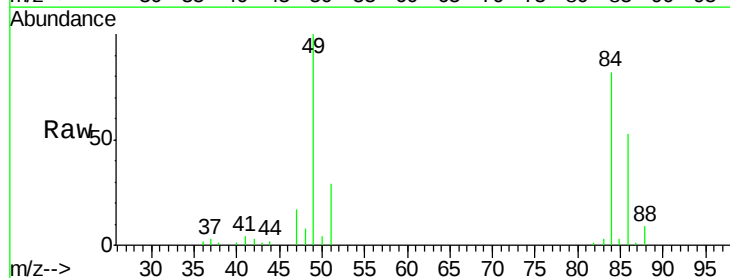
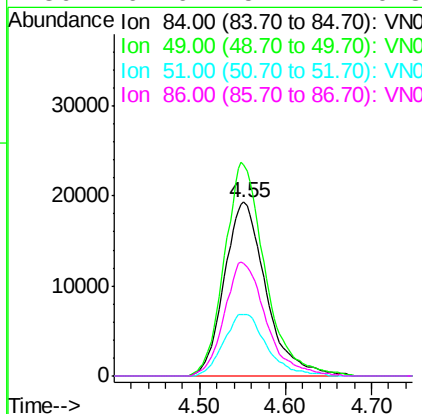
RT: 4.55 min Scan# 864

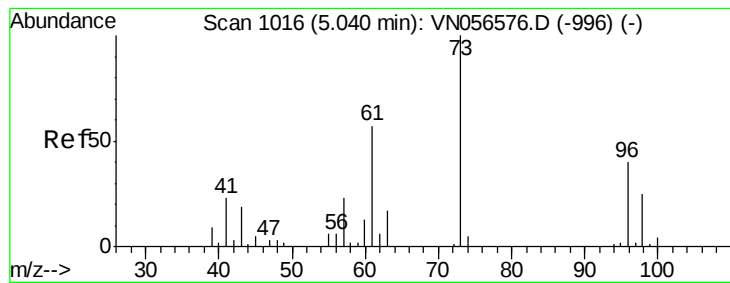
Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tgt Ion:	84	Resp:	65011
Ion	Ratio	Lower	Upper
84	100		
49	121.5	87.6	131.4
51	35.6	27.0	40.4
86	64.6	51.2	76.8





#19

trans-1,2-Dichloroethene

Concen: 19.942 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN070319

Tot Ion: 96 Resp: 59842

Ion Ratio Lower Upper

96 100

61 146.2 102.5 153.7

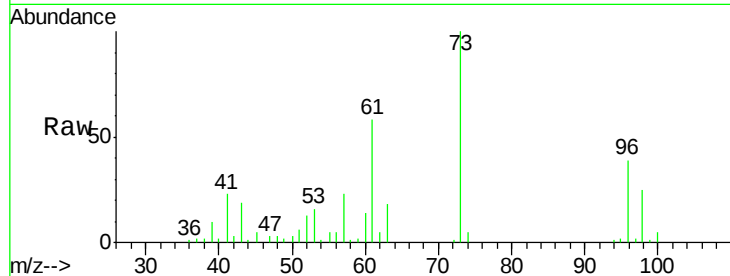
98 64.0 46.9 70.3

Manual Integrations

APPROVED

MMDadoda

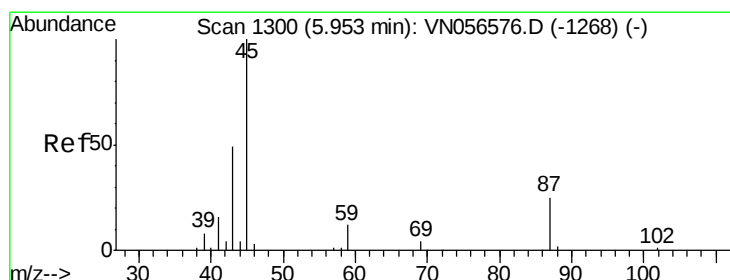
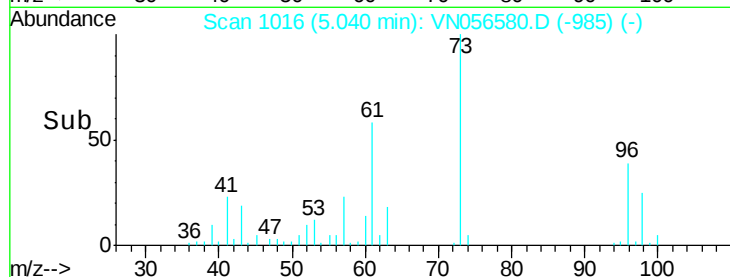
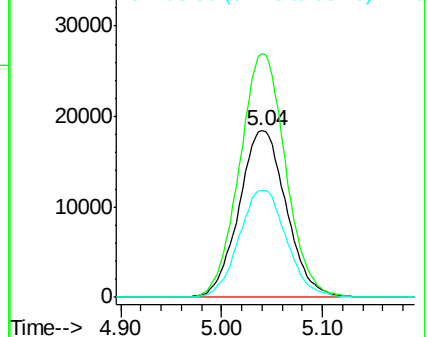
7/8/2019 10:05:05 AM



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.154 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tgt Ion: 45 Resp: 201605

Ion Ratio Lower Upper

45 100

43 62.1 48.0 72.0

87 27.3 23.4 35.2

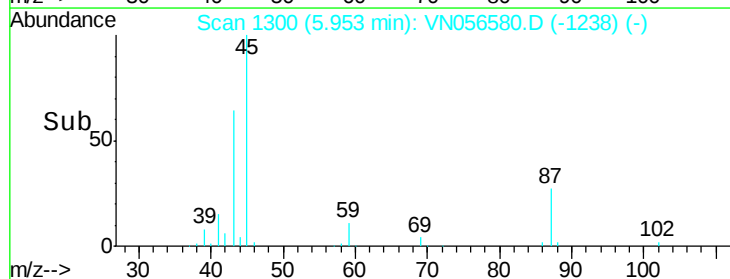
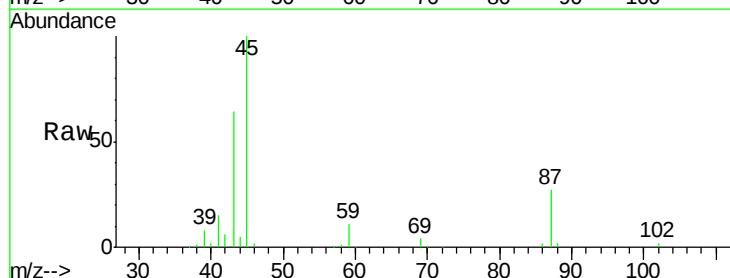
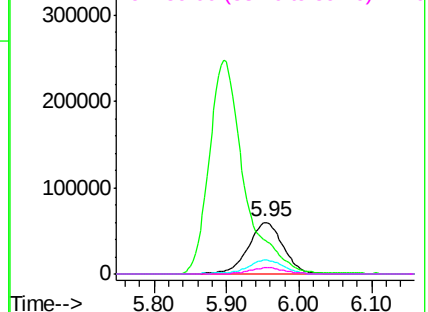
59 11.5 9.2 13.8

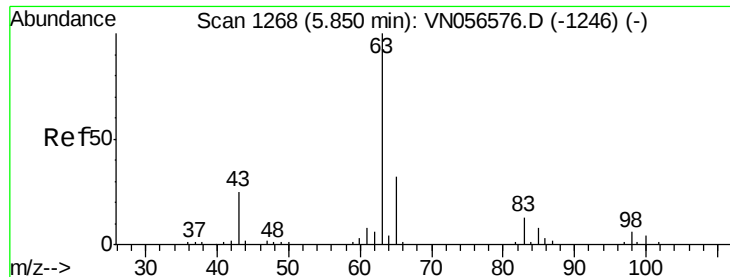
Abundance Ion 45.00 (44.70 to 45.70): VN0

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





#21

1,1-Dichloroethane

Concen: 19.800 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

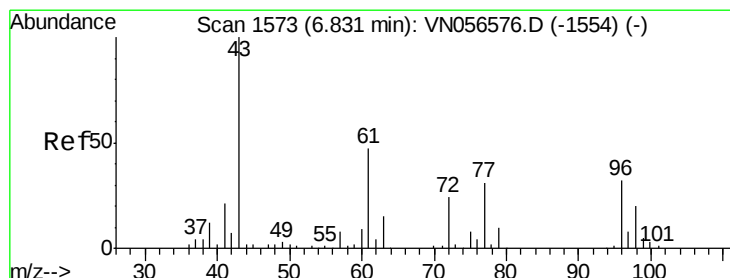
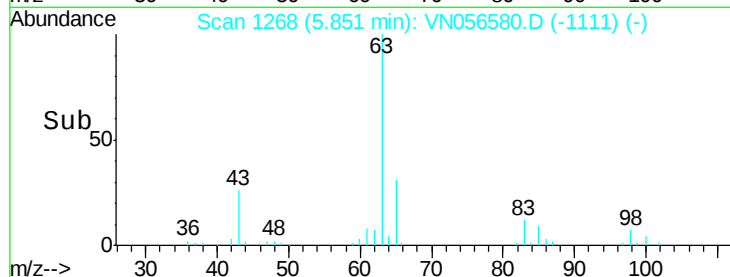
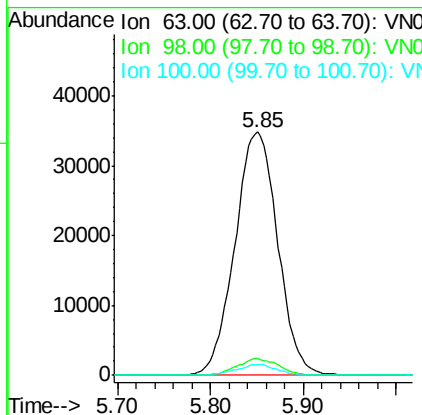
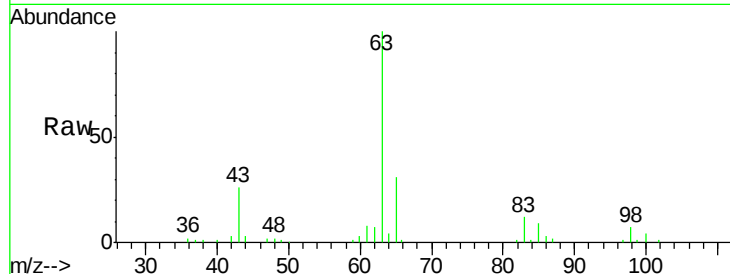
ClientSampled :

ICVVN070319

Tot Ion:	63	Resp:	111726
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.5	10.5
100	4.4	2.3	6.9

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.849 ug/l

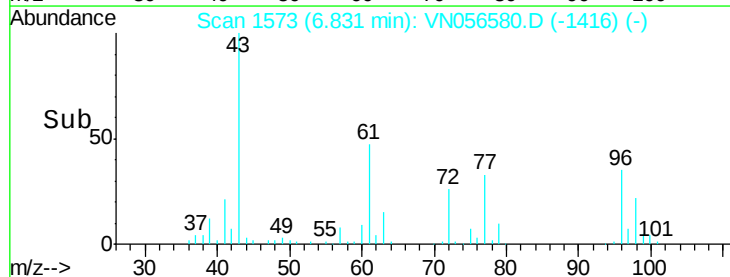
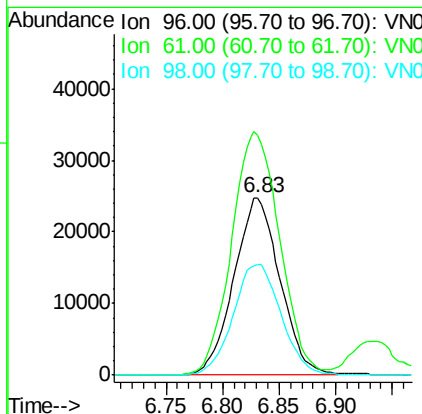
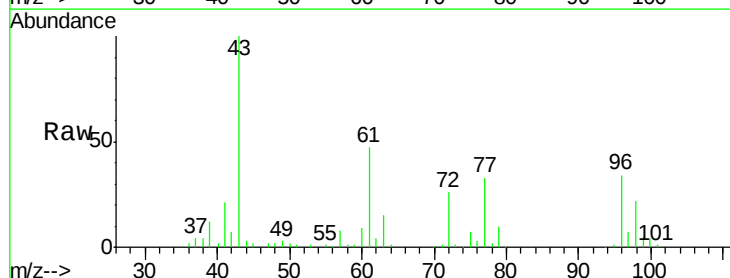
RT: 6.83 min Scan# 1573

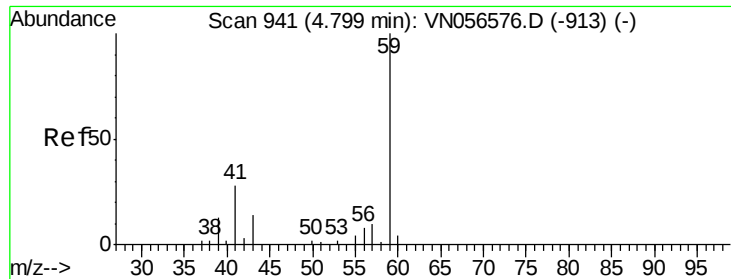
Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tgt Ion:	96	Resp:	70043
Ion Ratio	Lower	Upper	
96	100		
61	143.1	105.7	158.5
98	64.9	52.0	78.0





#23

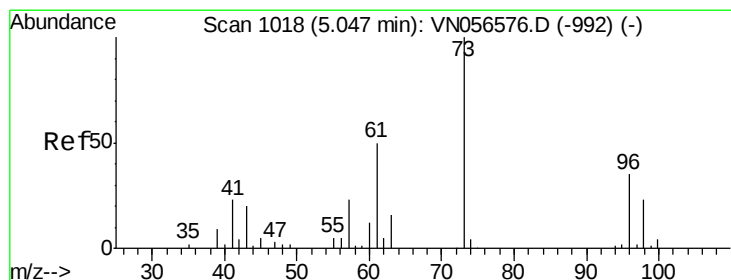
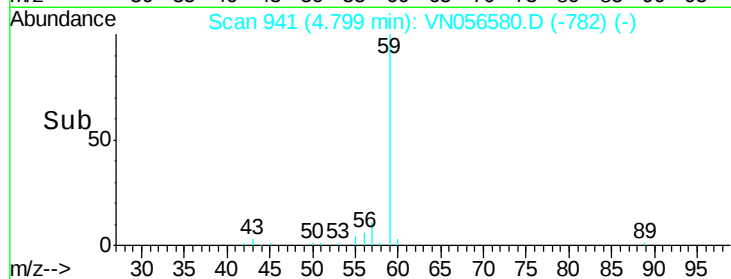
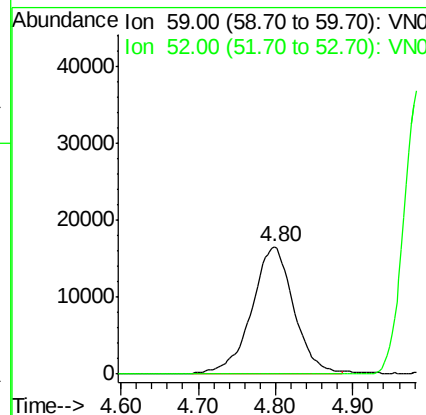
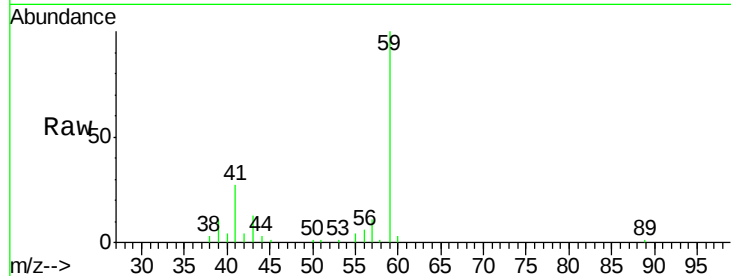
tert-Butyl Alcohol
 Concen: 102.530 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN070319

Tot Ion: 59 Resp: 62836
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

Manual Integrations
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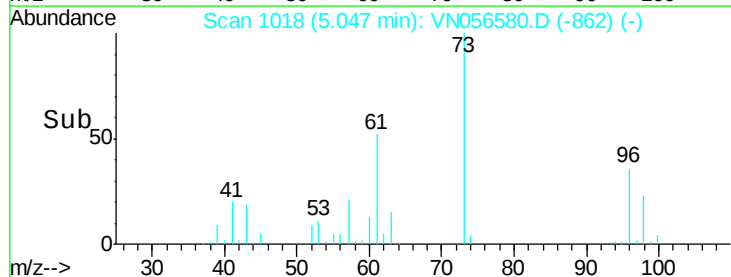
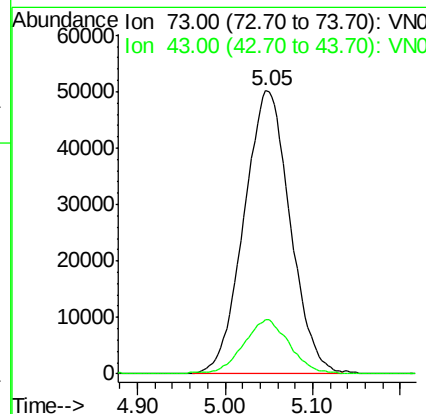
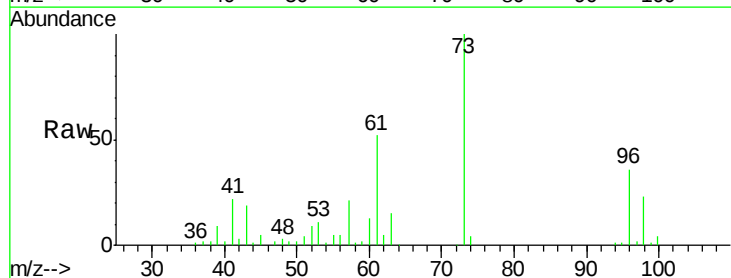
MMDadoda
 7/8/2019 10:05:05 AM

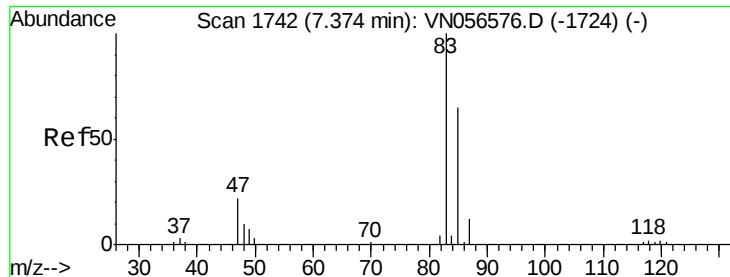


#24

Methyl tert-Butyl Ether
 Concen: 20.086 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion: 73 Resp: 183806
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.4 23.0





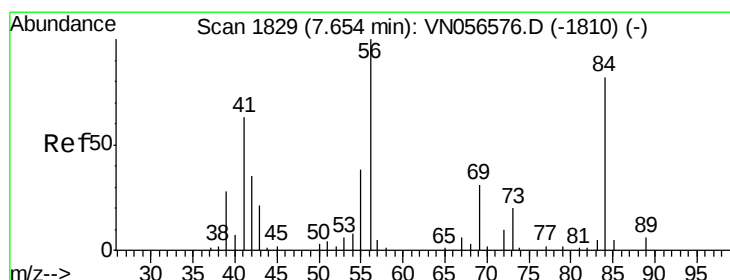
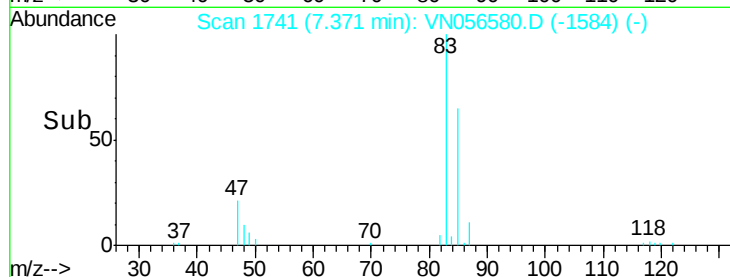
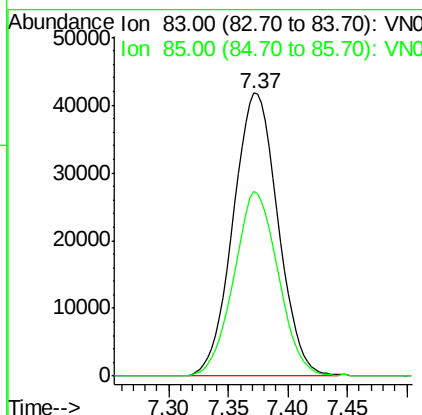
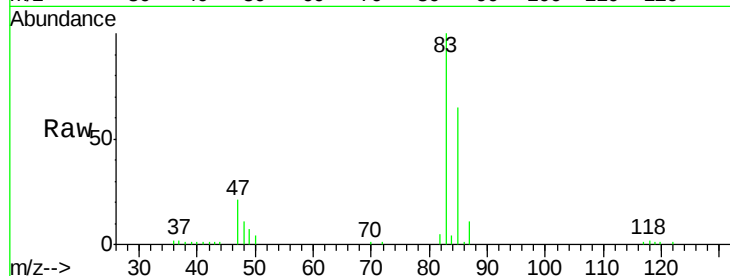
#25
Chloroform
Concen: 19.766 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

Tot Ion: 83 Resp: 109323
Ion Ratio Lower Upper
83 100
85 65.1 52.0 78.0

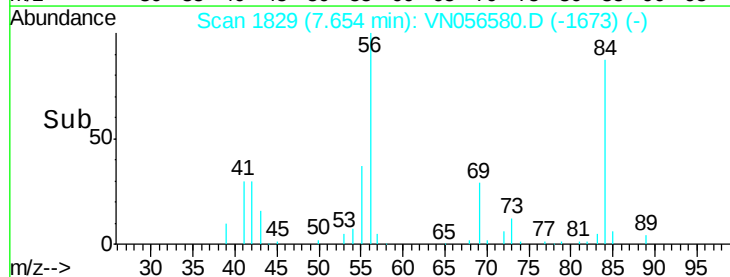
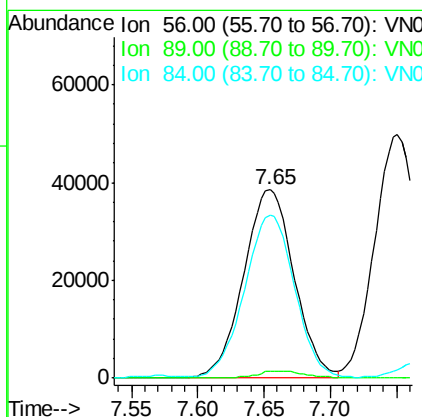
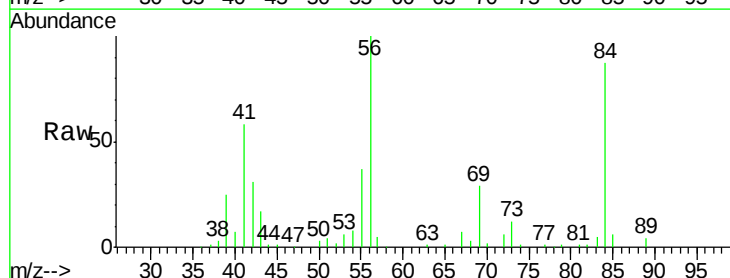
Manual Integrations
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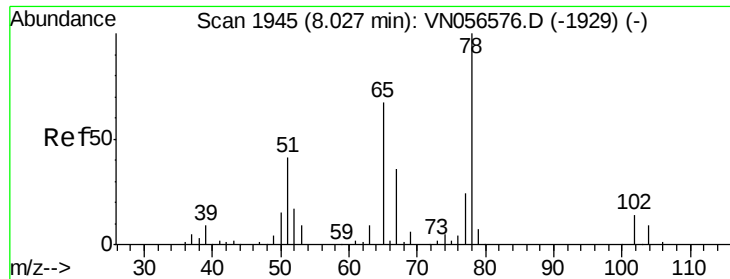
MMDadoda
7/8/2019 10:05:05 AM



#26
Cyclohexane
Concen: 19.717 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion: 56 Resp: 102476
Ion Ratio Lower Upper
56 100
89 3.6 0.0 0.0#
84 86.2 70.1 105.1





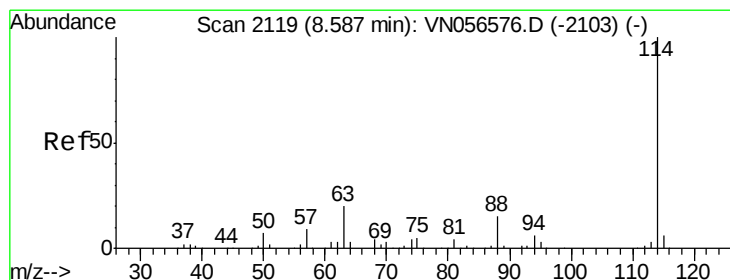
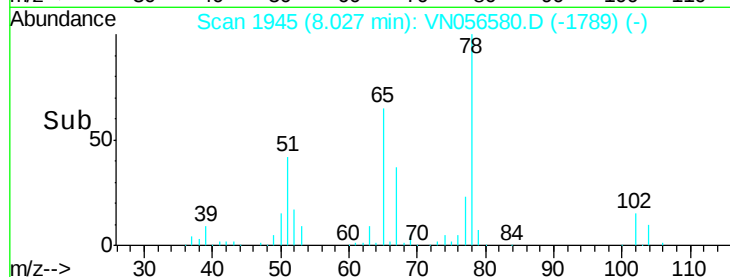
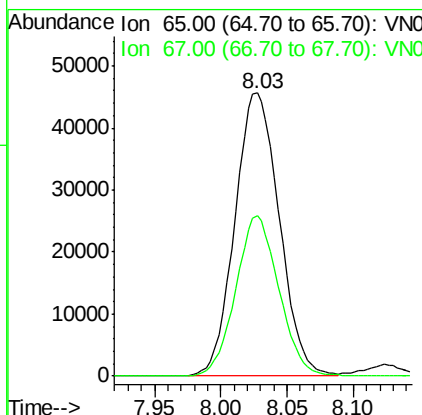
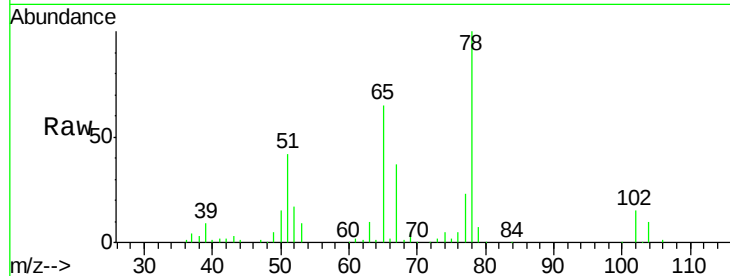
#27
 1,2-Dichloroethane-d4
 Concen: 30.486 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070319

Tot Ion: 65 Resp: 106377
 Ion Ratio Lower Upper
 65 100
 67 54.9 43.4 65.2

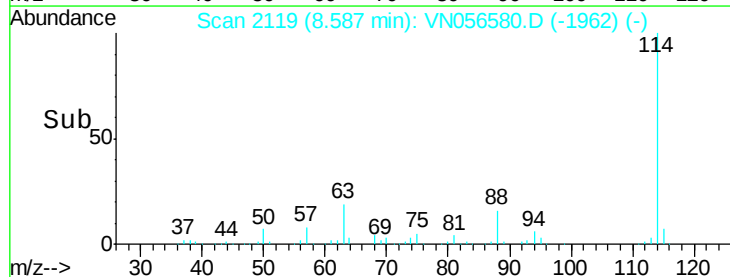
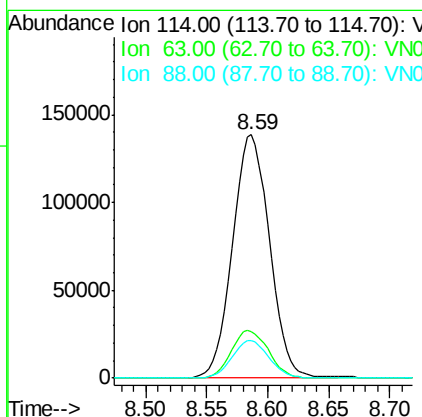
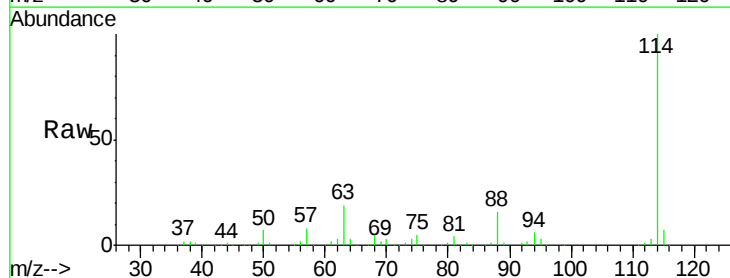
Manual Integrations
 APPROVED

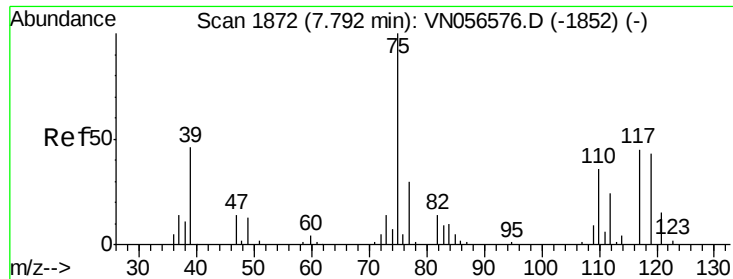
MMDadoda
 7/8/2019 10:05:05 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion: 114 Resp: 291135
 Ion Ratio Lower Upper
 114 100
 63 19.8 14.7 22.1
 88 15.4 11.9 17.9





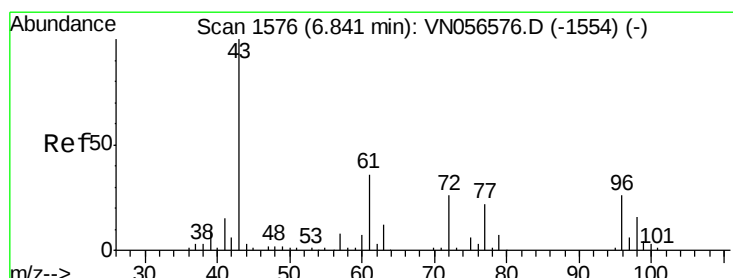
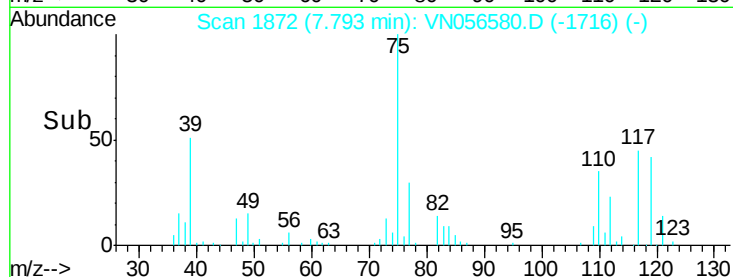
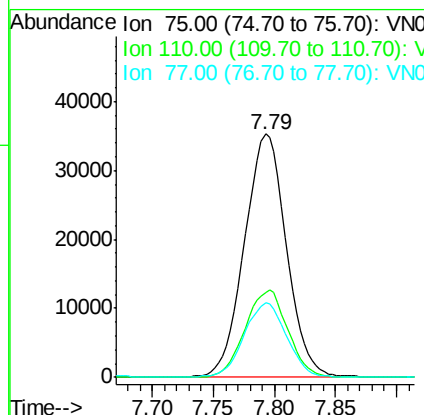
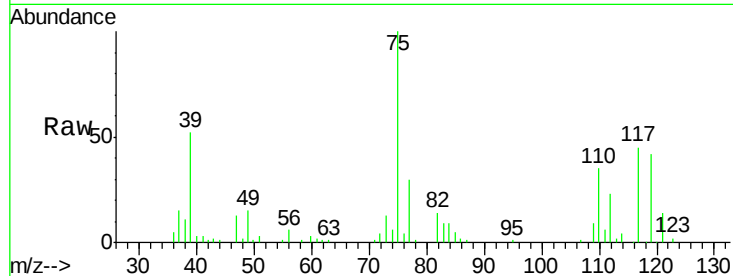
#29
 1,1-Dichloropropene
 Concen: 19.560 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN070319

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.3	0.0	77.0
77	31.0	0.0	62.4

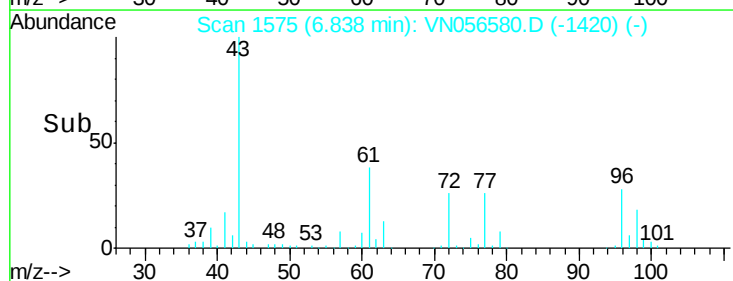
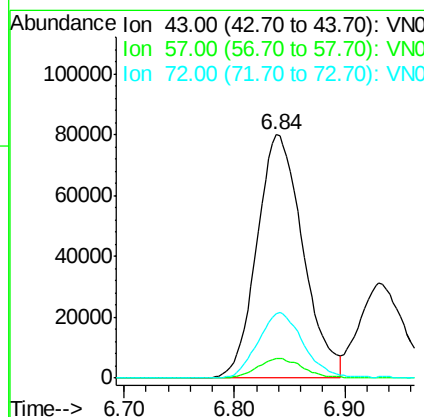
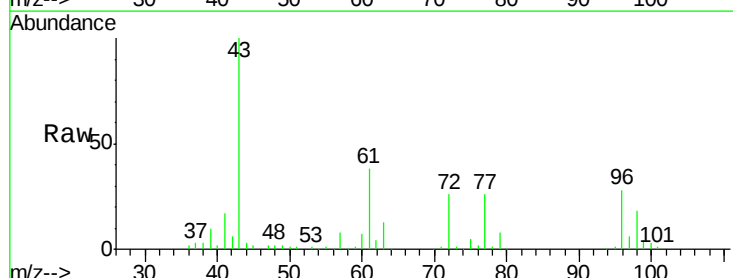
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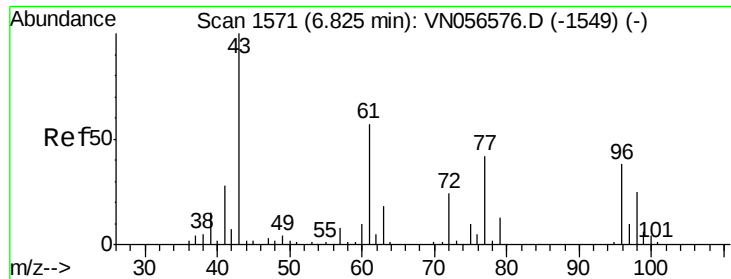
MMDadoda
 7/8/2019 10:05:05 AM



#30
 2-Butanone
 Concen: 97.031 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.7	10.1
72	26.8	22.4	33.6





#31

2,2-Dichloropropane

Concen: 18.781 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN070319

Tot Ion: 77 Resp: 77637

Ion Ratio Lower Upper

77 100

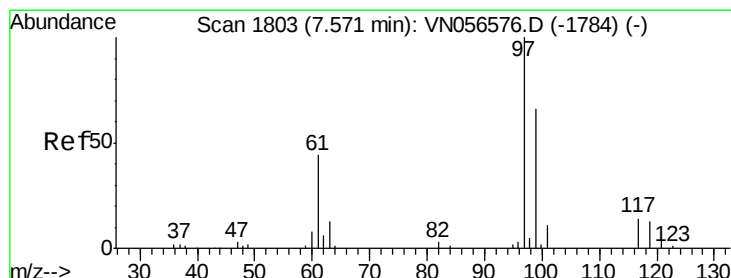
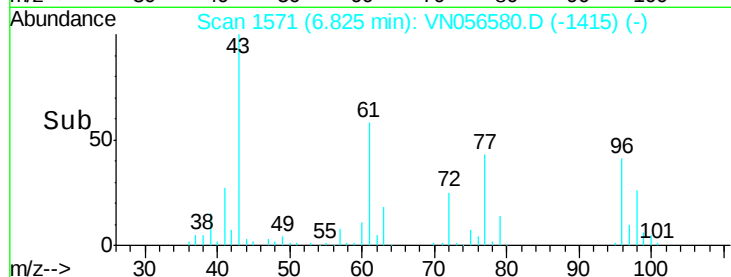
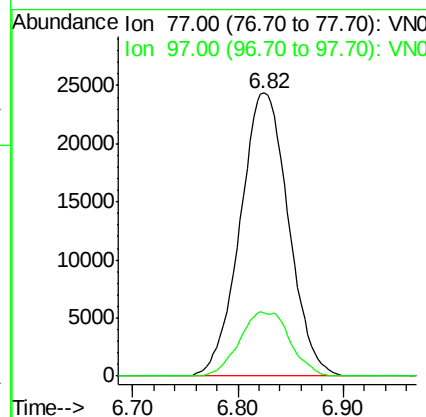
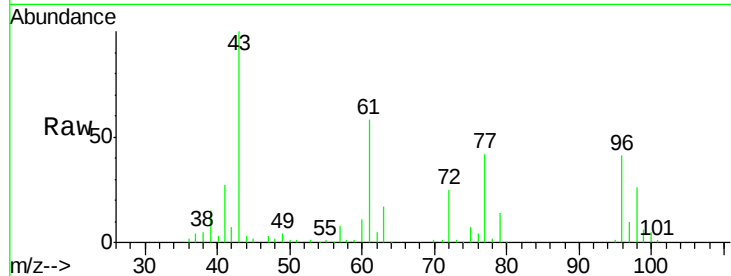
97 13.4 20.8 31.2#

Manual Integrations

APPROVED

MMDadoda

7/8/2019 10:05:05 AM



#32

1,1,1-Trichloroethane

Concen: 18.940 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

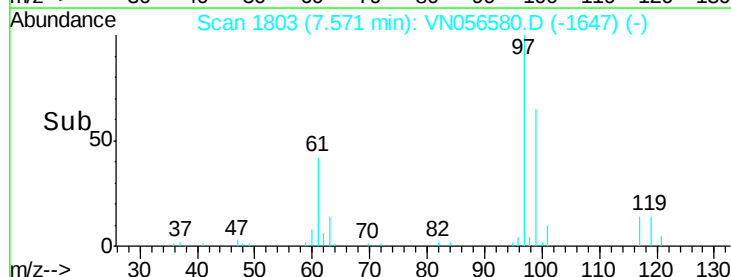
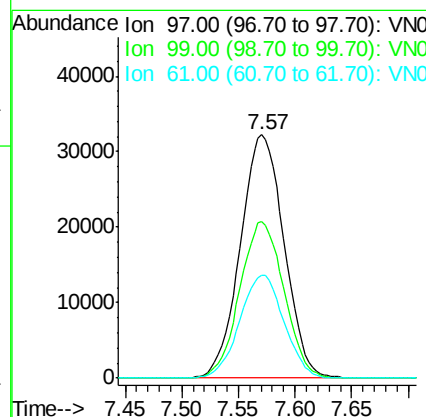
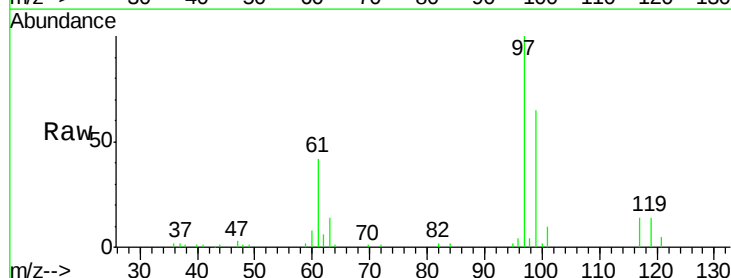
Tgt Ion: 97 Resp: 86805

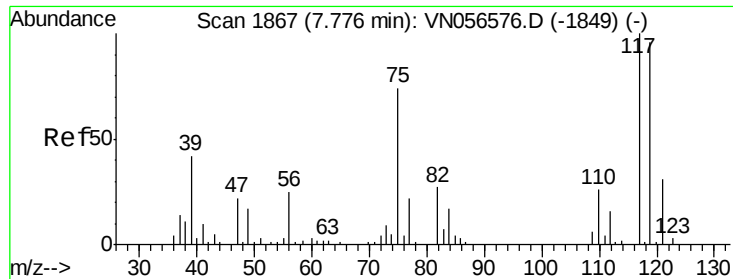
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 42.6 32.9 49.3





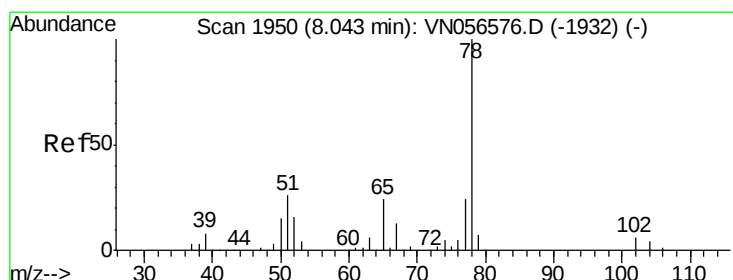
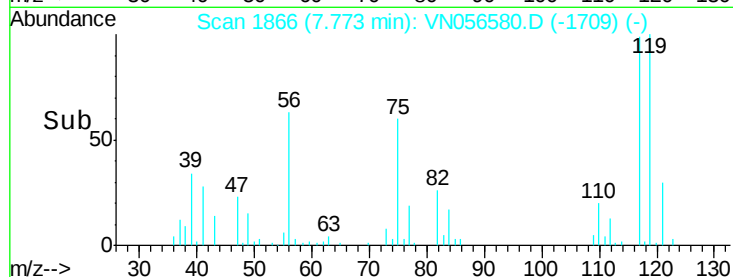
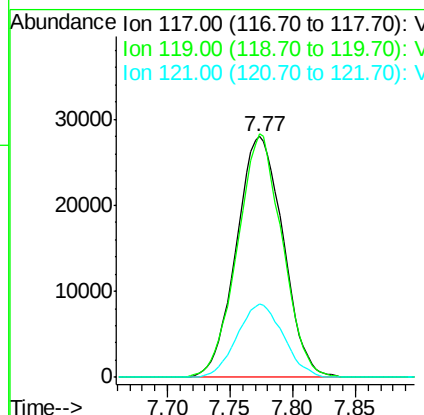
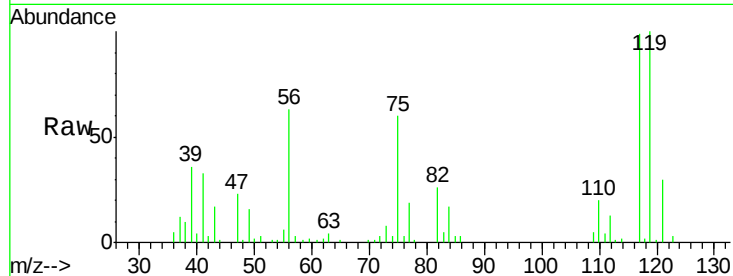
#33
Carbon Tetrachloride
Concen: 18.626 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

Tot Ion	Ratio	Lower	Upper
117	100		
119	101.0	77.3	115.9
121	30.3	25.0	37.4

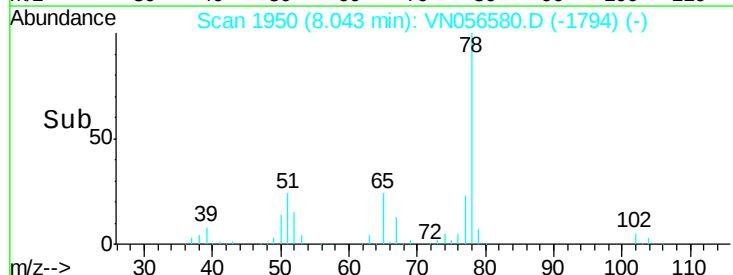
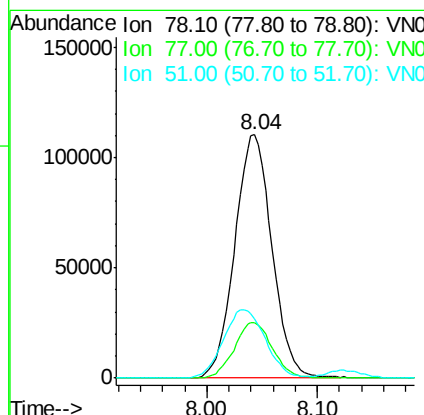
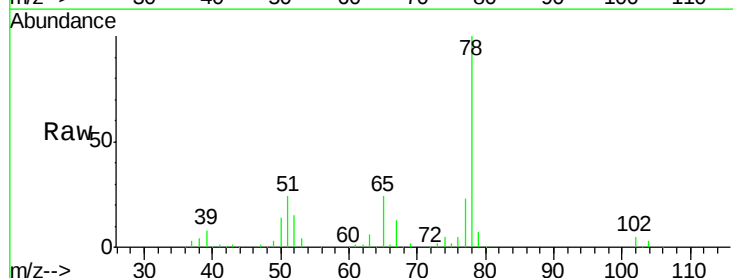
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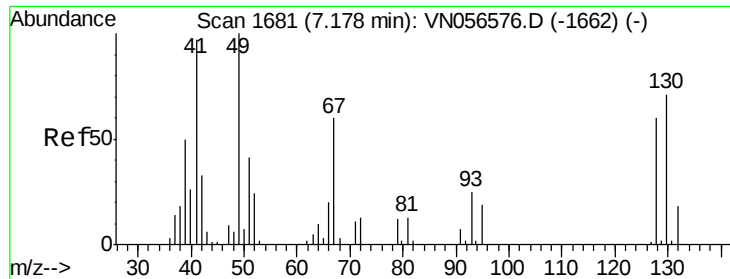
MMDadoda
7/8/2019 10:05:05 AM



#34
Benzene
Concen: 19.155 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.3	28.9
51	24.1	19.8	29.8





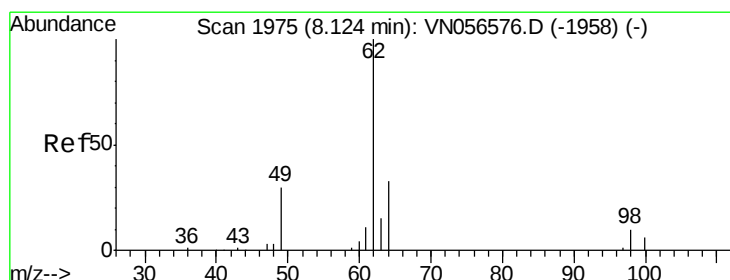
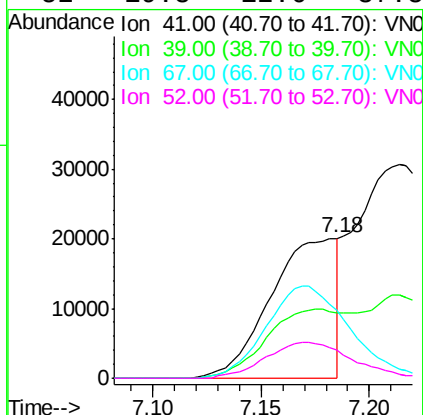
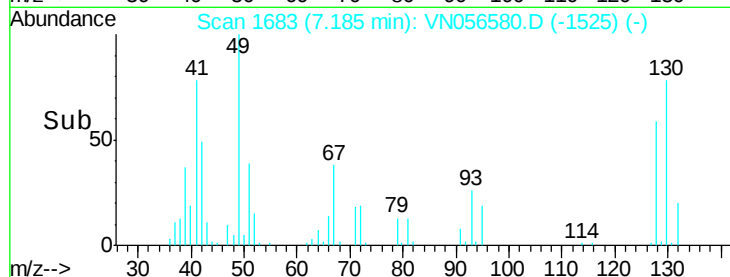
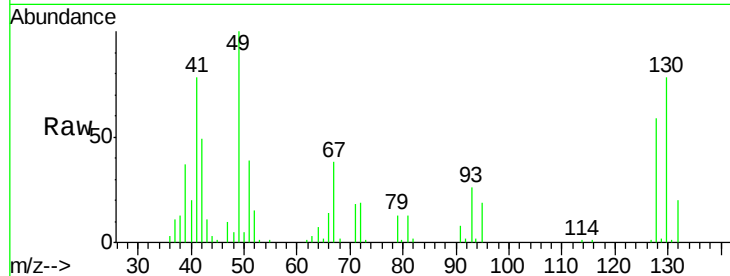
#35
Methacrylonitrile
Concen: 20.112 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampled :
ICVVN070319

Tot Ion:	41	Resp:	42569
Ion	Ratio	Lower	Upper
41	100		
39	46.9	24.8	74.3
67	48.7	34.3	102.9
52	19.8	12.6	37.8

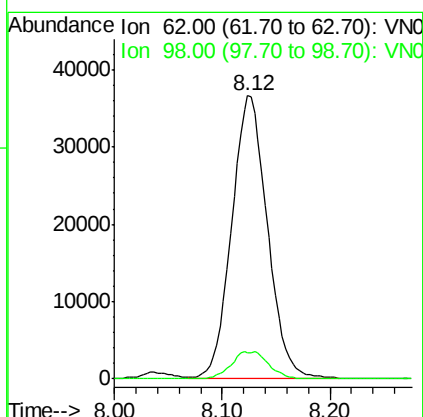
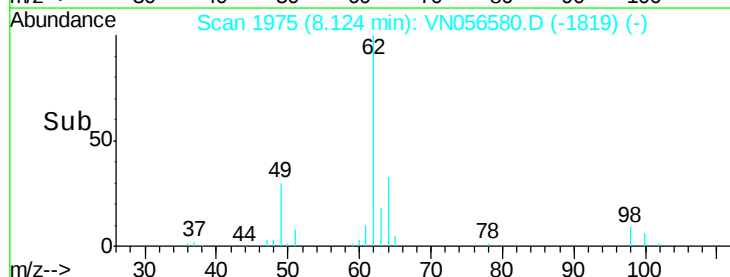
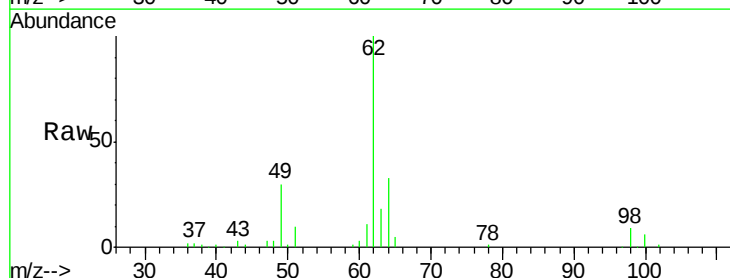
Manual Integrations
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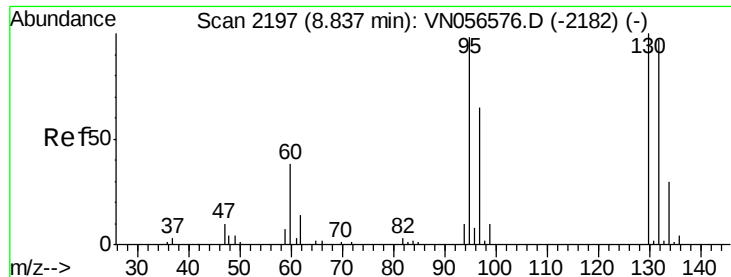
MMDadoda
7/8/2019 10:05:05 AM



#36
1,2-Dichloroethane
Concen: 19.381 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion:	62	Resp:	84682
Ion	Ratio	Lower	Upper
62	100		
98	5.6	8.6	13.0#





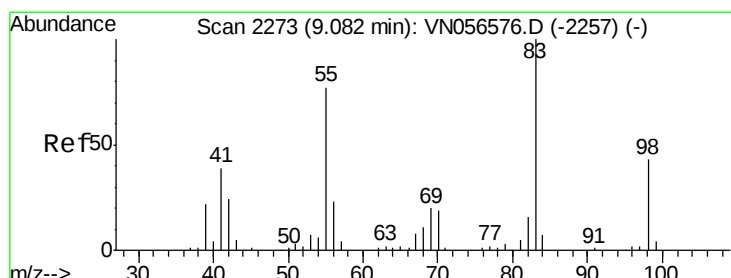
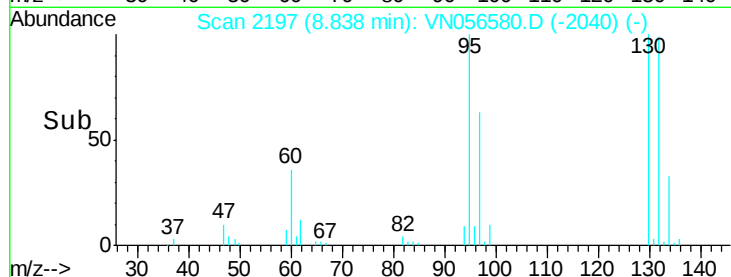
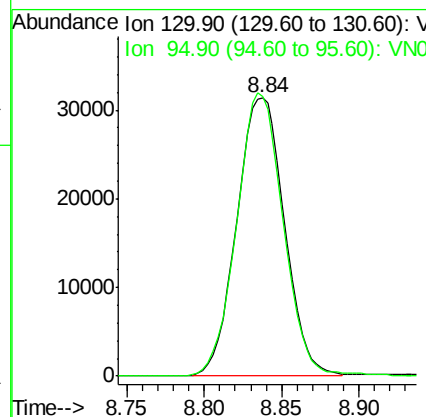
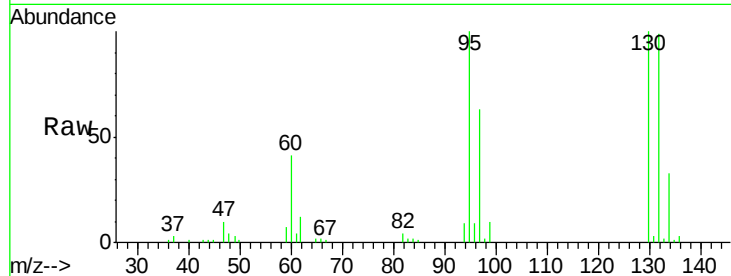
#37
 Trichloroethene
 Concen: 19.180 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070319

Tot Ion:130 Resp: 67248
 Ion Ratio Lower Upper
 130 100
 95 99.8 73.0 109.6

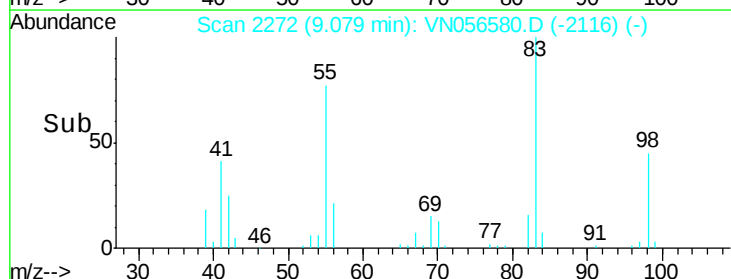
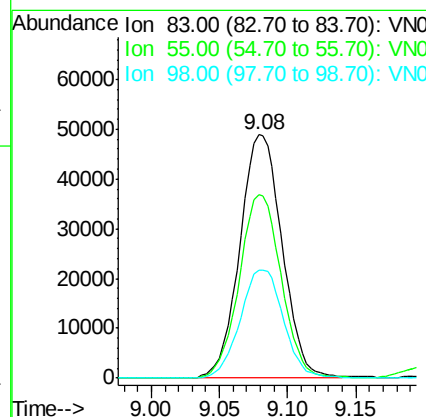
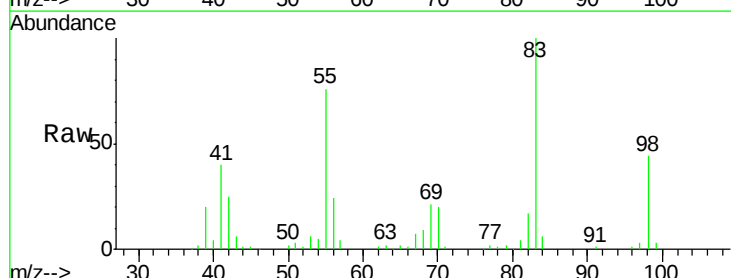
Manual Integrations
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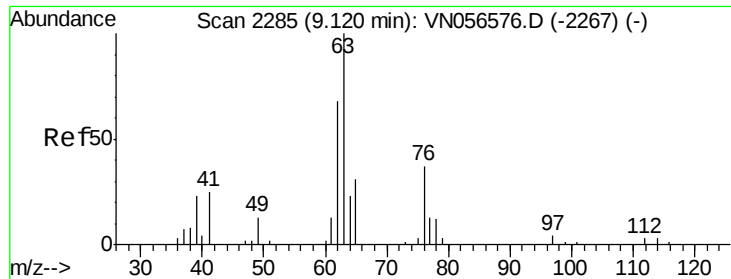
MMDadoda
 7/8/2019 10:05:05 AM



#38
 Methylcyclohexane
 Concen: 19.533 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion: 83 Resp: 105239
 Ion Ratio Lower Upper
 83 100
 55 74.8 37.5 112.7
 98 45.5 23.1 69.3





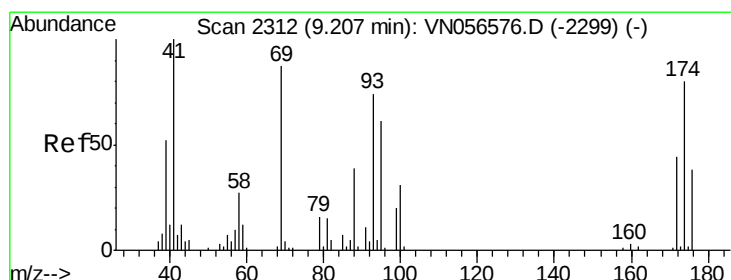
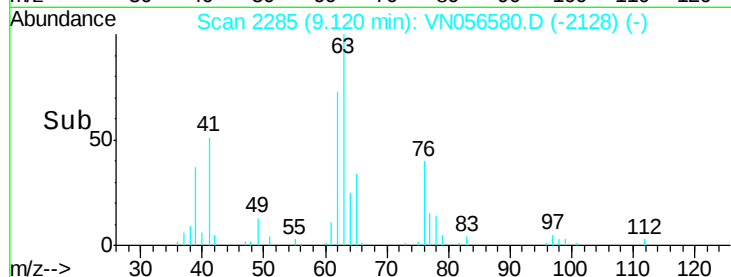
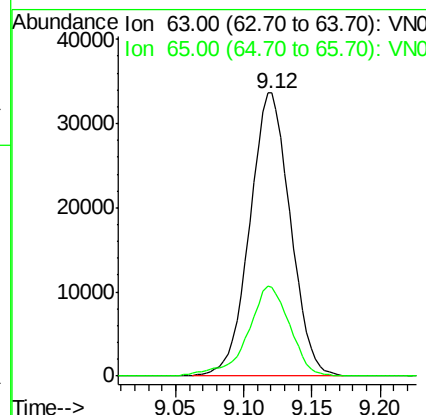
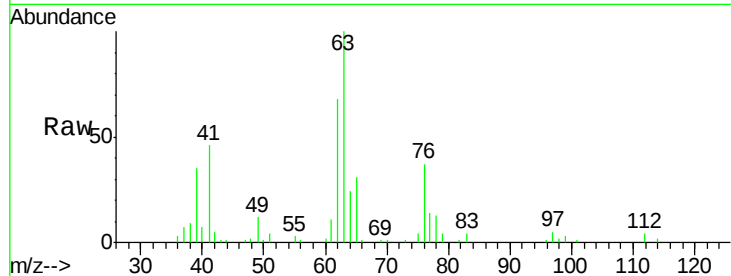
#39
 1,2-Dichloropropane
 Concen: 19.206 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN070319

Tot Ion: 63 Resp: 69504
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.1 34.7

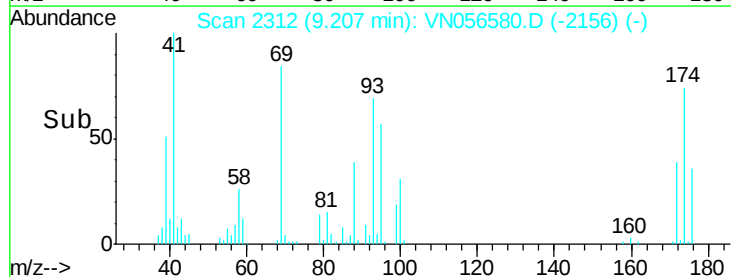
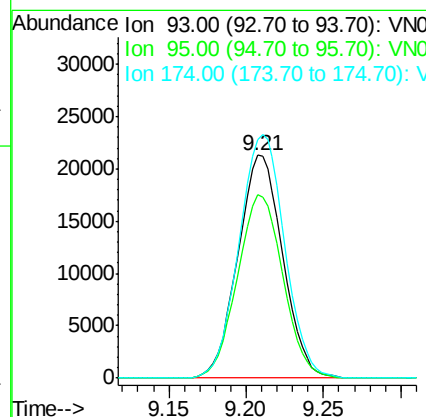
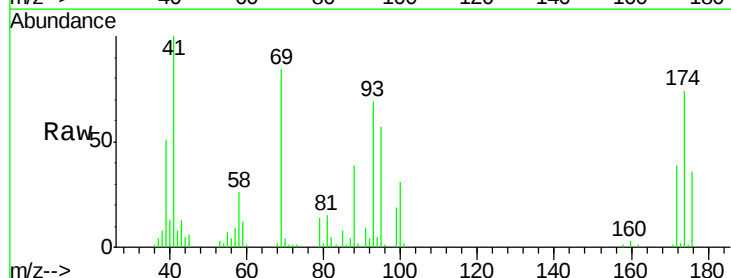
Manual Integrations
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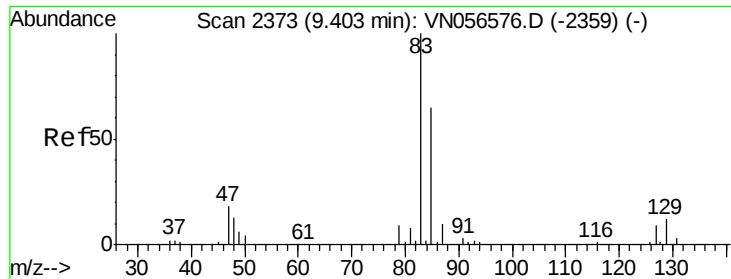
MMDadoda
 7/8/2019 10:05:05 AM



#40
 Dibromomethane
 Concen: 19.208 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion: 93 Resp: 42969
 Ion Ratio Lower Upper
 93 100
 95 83.5 0.0 169.0
 174 111.1 0.0 246.4





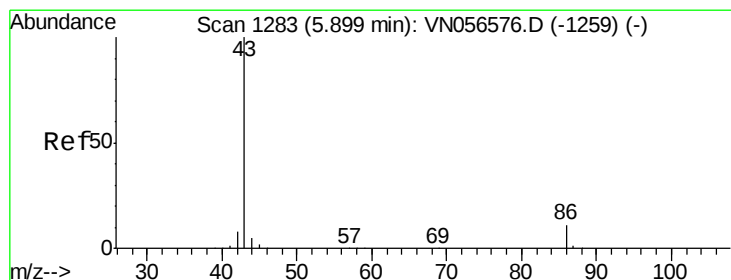
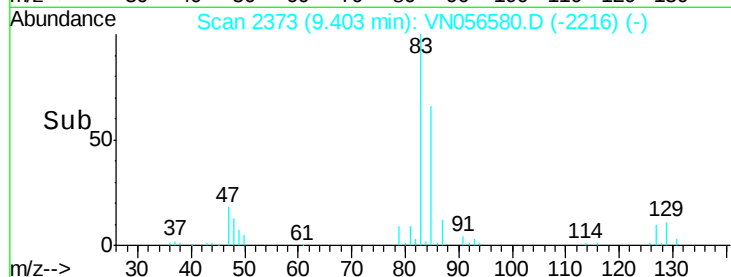
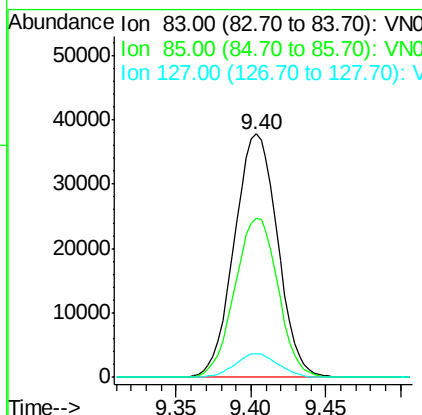
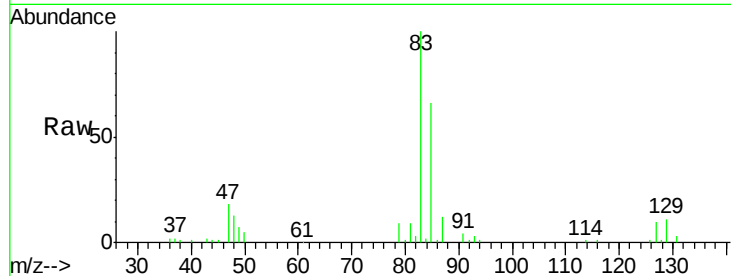
#41
Bromodichloromethane
Concen: 18.334 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

Tot Ion	83	Resp	76014
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	51.8	77.6
127	9.7	7.3	10.9

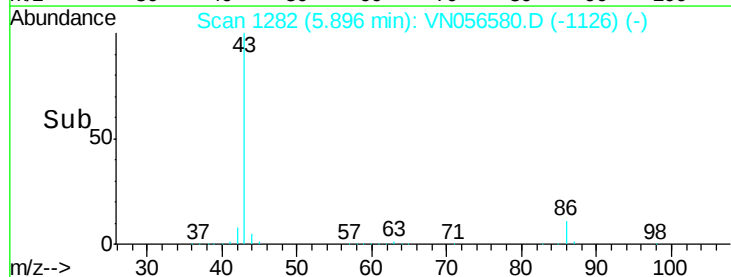
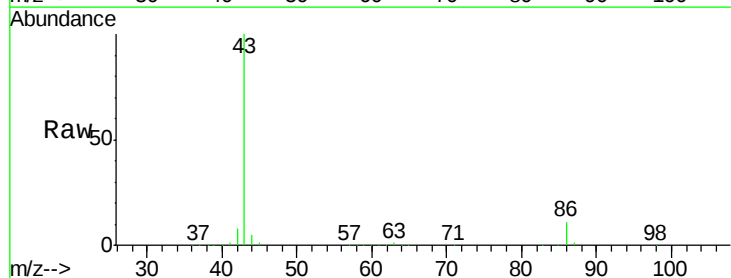
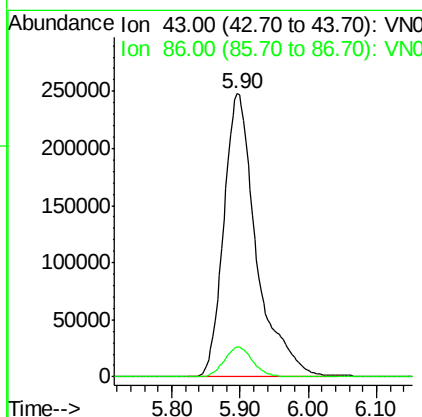
Manual Integrations
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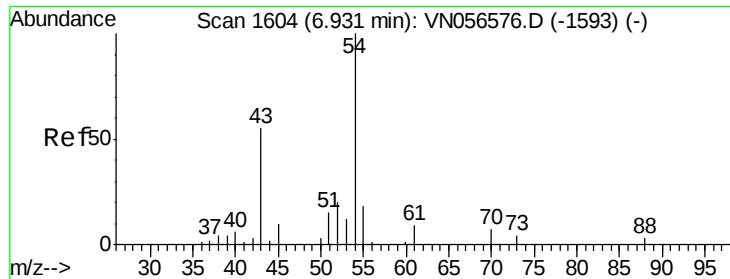
MMDadoda
7/8/2019 10:05:05 AM



#42
Vinyl Acetate
Concen: 97.249 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion	43	Resp	825273
Ion Ratio	100	Lower	Upper
43	100		
86	9.2	7.9	11.9





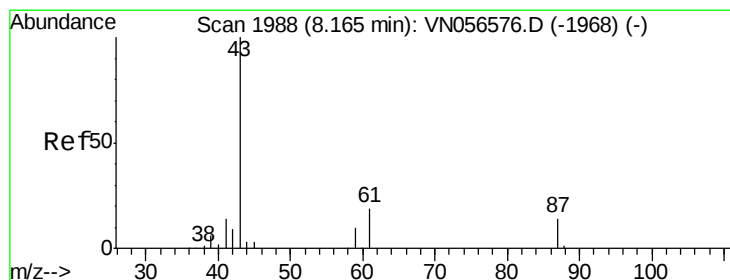
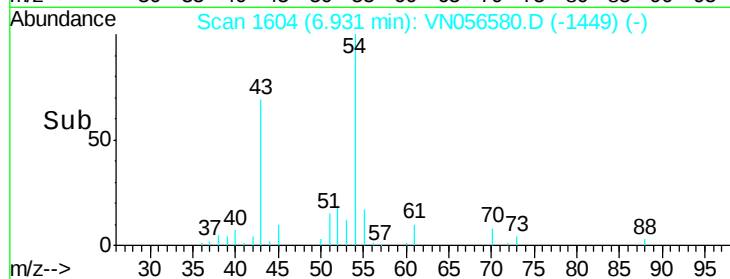
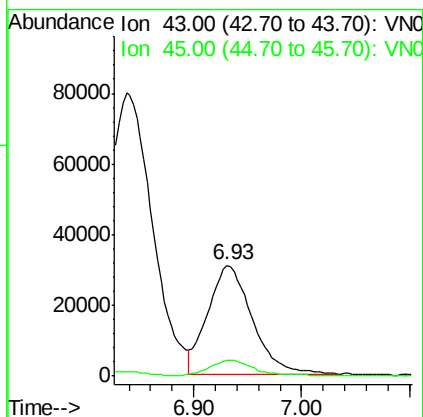
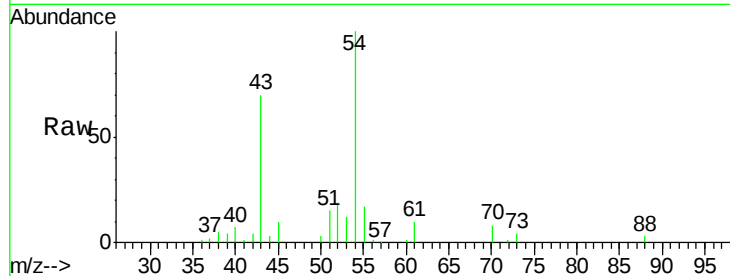
#43
Ethyl Acetate
Concen: 19.137 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

Tot Ion: 43 Resp: 88228
Ion Ratio Lower Upper
43 100
45 15.3 12.3 18.5

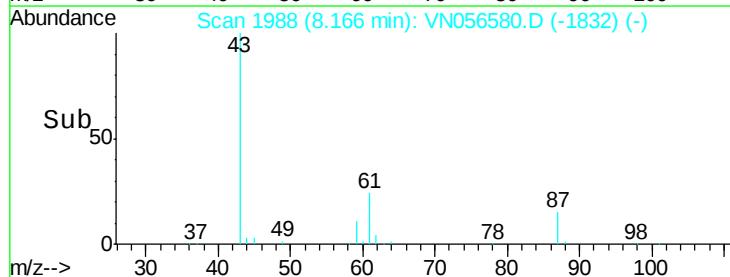
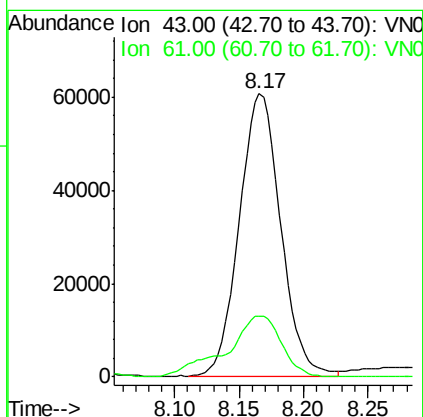
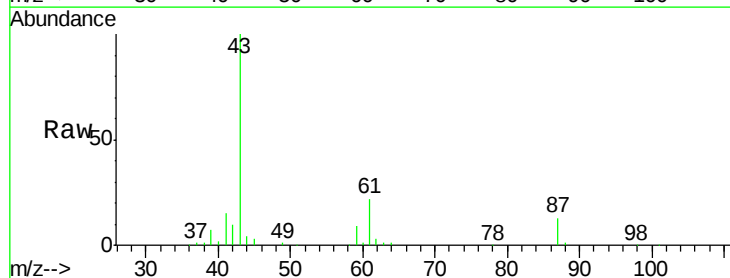
Manual Integrations
APPROVED

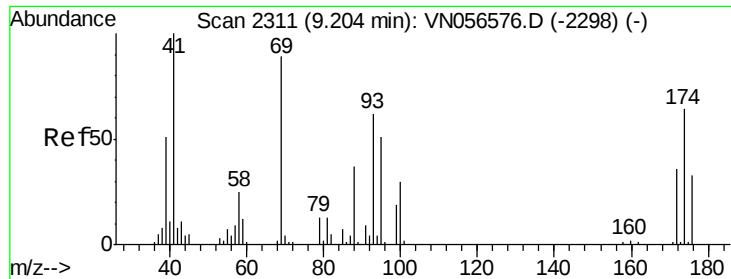
MMDadoda
7/8/2019 10:05:05 AM



#44
Isopropyl Acetate
Concen: 18.772 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion: 43 Resp: 135025
Ion Ratio Lower Upper
43 100
61 29.0 16.9 25.3#





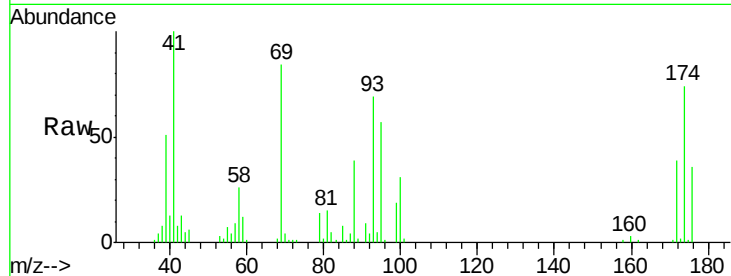
#45
 1,4-Dioxane
 Concen: 384.562 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070319

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	19.8	29.6
58	69.3	48.5	72.7

Manual Integrations
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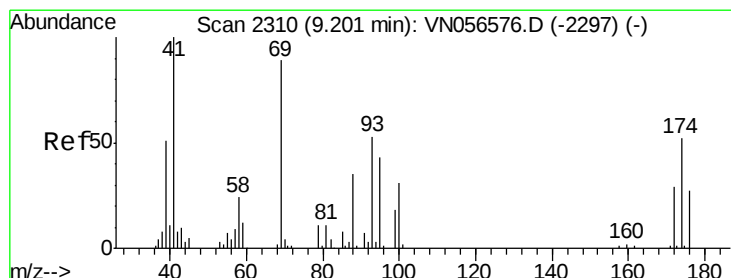
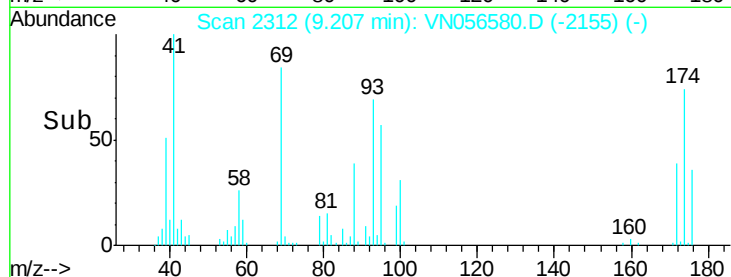
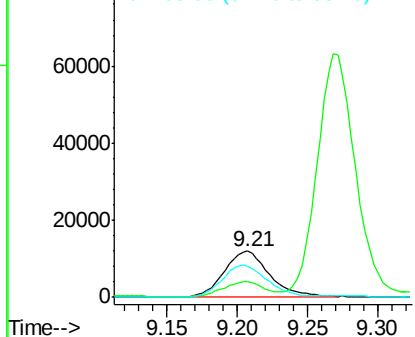
MMDadoda
 7/8/2019 10:05:05 AM



Abundance Ion 88.00 (87.70 to 88.70): VN056576.D (-2298) (-)

Ion 43.00 (42.70 to 43.70): VN056576.D (-2298) (-)

Ion 58.00 (57.70 to 58.70): VN056576.D (-2298) (-)



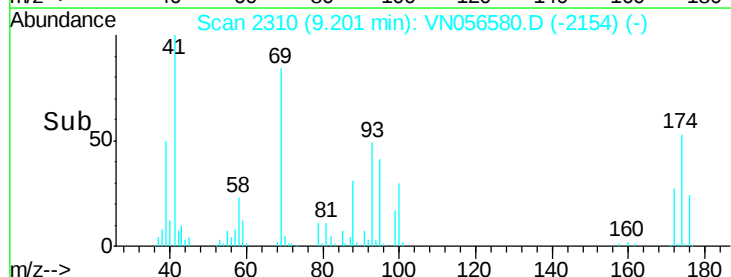
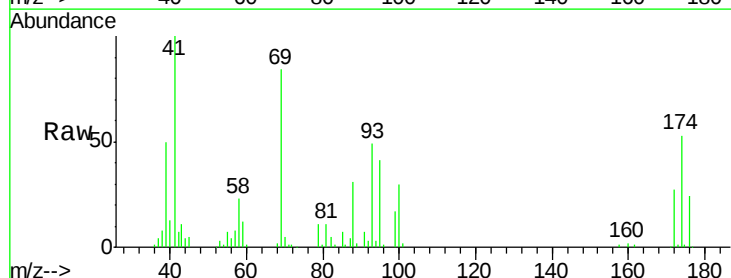
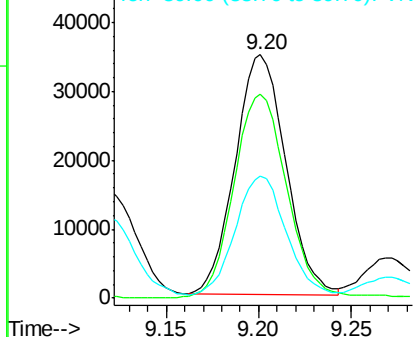
#46
 Methyl methacrylate
 Concen: 18.713 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

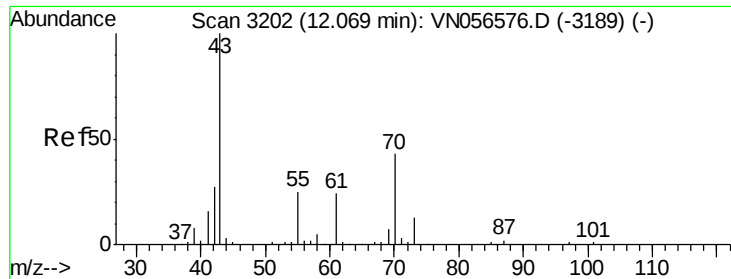
Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.5	46.0	137.8
39	49.3	24.6	73.8

Abundance Ion 41.00 (40.70 to 41.70): VN056576.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN056576.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN056576.D (-2297) (-)





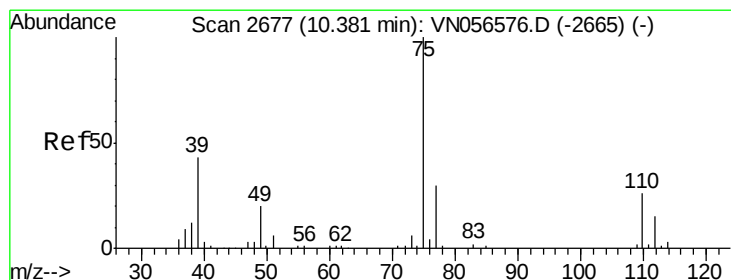
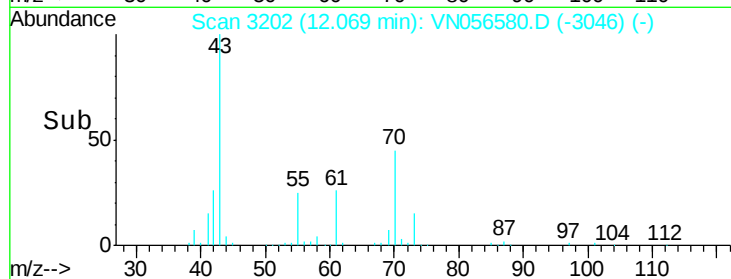
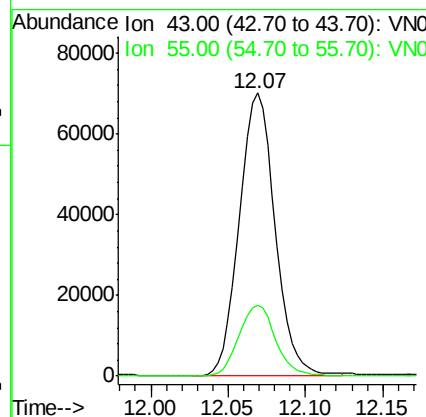
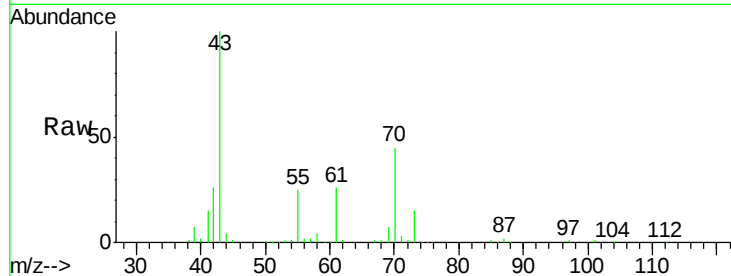
#47
n-amvl Acetate
Concen: 18.781 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

Tot Ion: 43 Resp: 112289
Ion Ratio Lower Upper
43 100
55 25.8 19.0 28.6

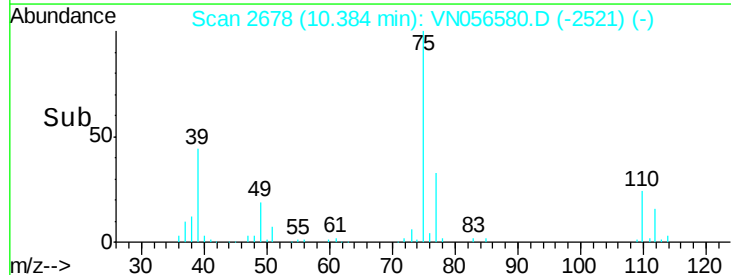
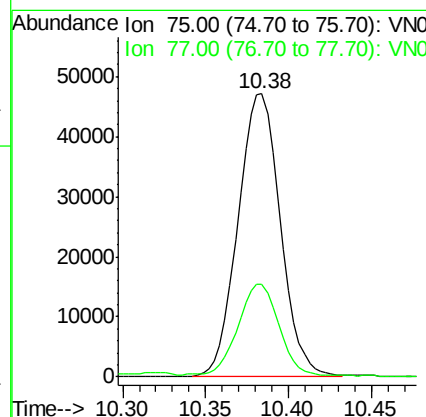
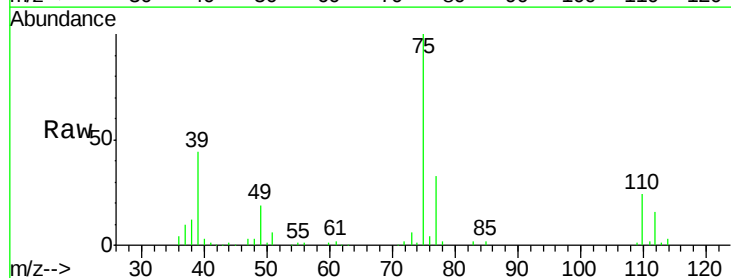
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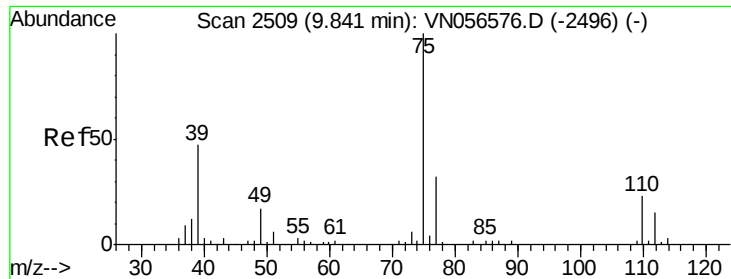
MMDadoda
7/8/2019 10:05:05 AM



#48
t-1,3-Dichloropropene
Concen: 18.881 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion: 75 Resp: 83898
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0





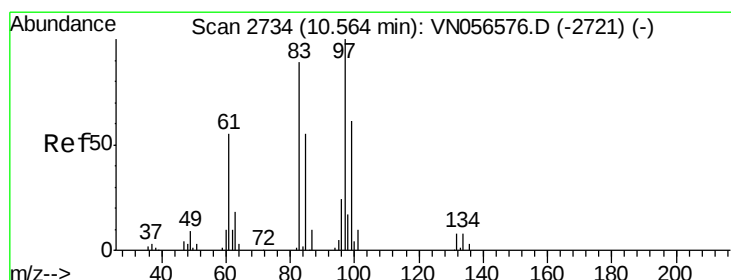
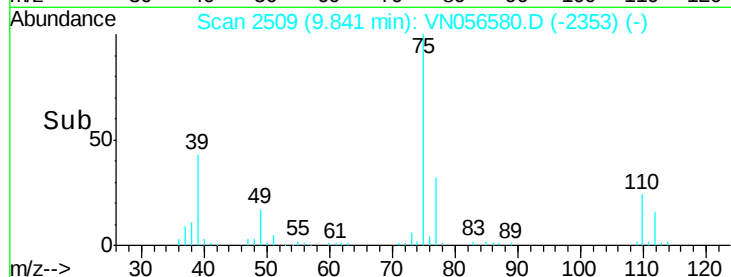
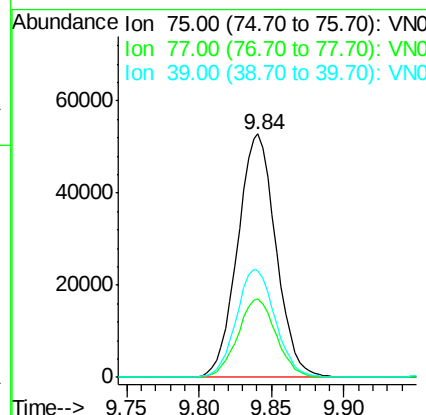
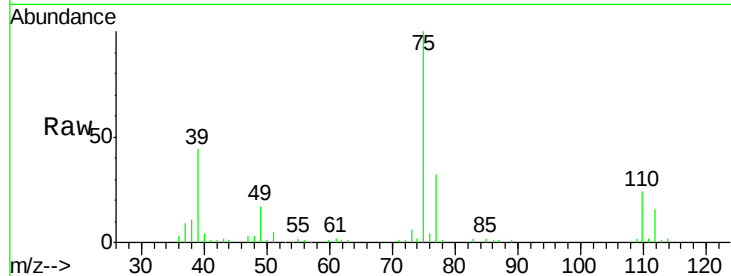
#49
 cis-1,3-Dichloropropene
 Concen: 18.946 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070319

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7
39	43.8	34.3	51.5

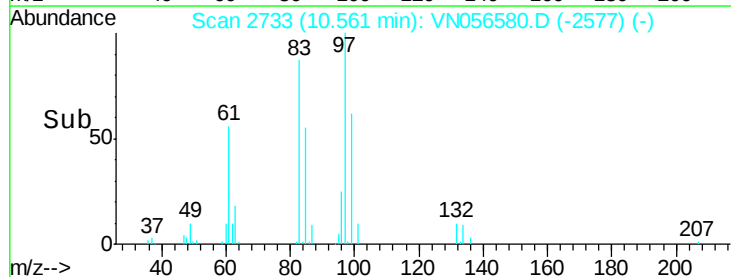
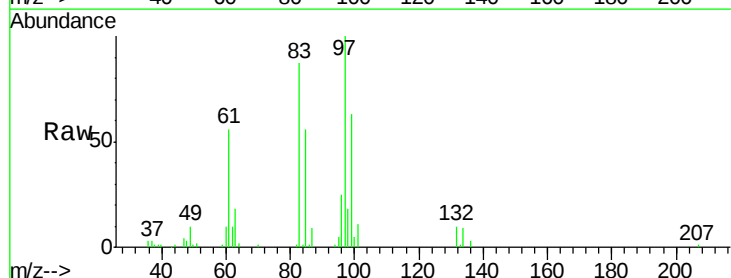
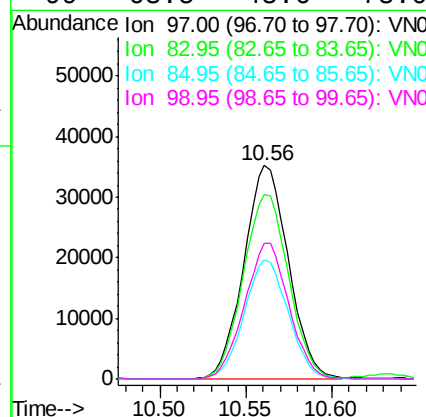
Manual Integrations
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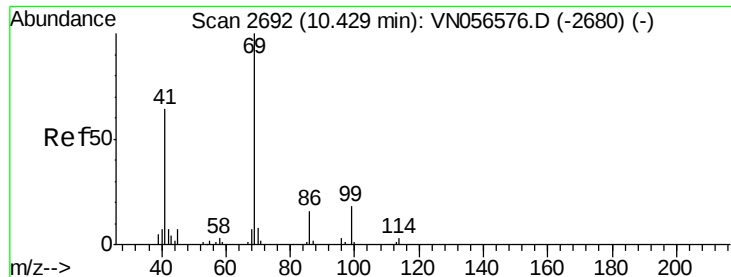
MMDadoda
 7/8/2019 10:05:05 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.222 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.5	66.9	100.3
85	55.8	43.3	64.9
99	63.5	48.6	73.0





#51

Ethyl methacrylate

Concen: 19.268 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

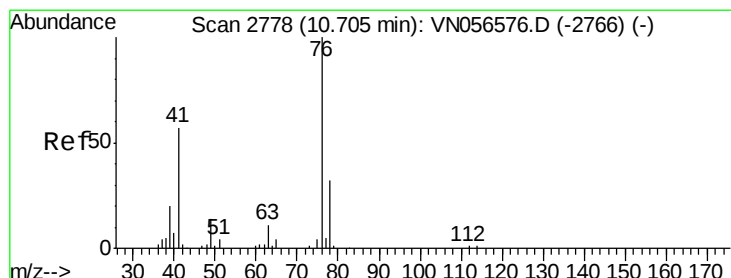
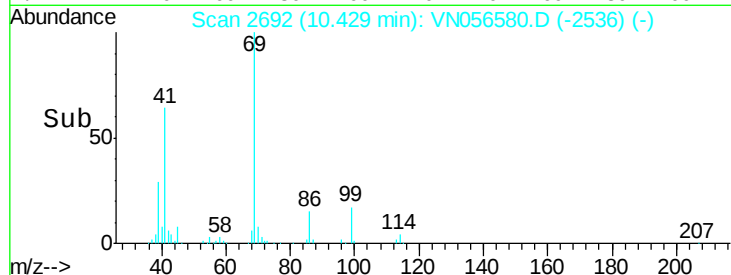
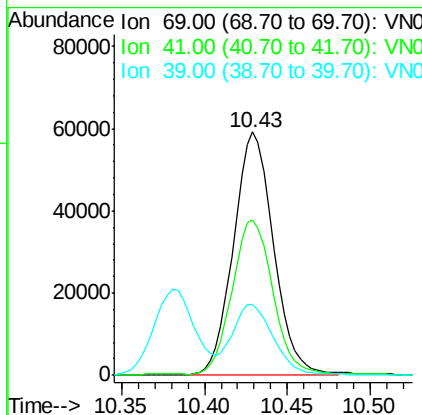
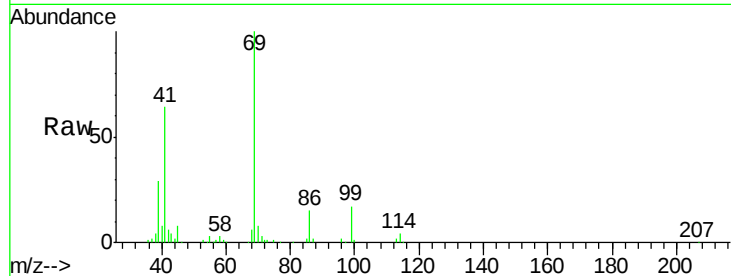
ClientSampled :

ICVVN070319

Tot Ion:	69	Resp:	100005
Ion Ratio		Lower	Upper
69	100		
41	63.6	30.8	92.3
39	28.5	14.5	43.6

Manual Integrations
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7/8/2019 10:05:05 AM



#52

1,3-Dichloropropane

Concen: 19.078 ug/l

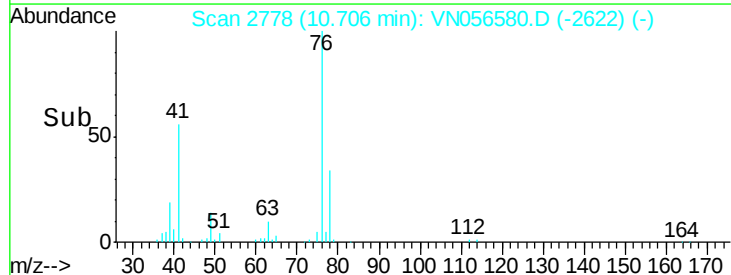
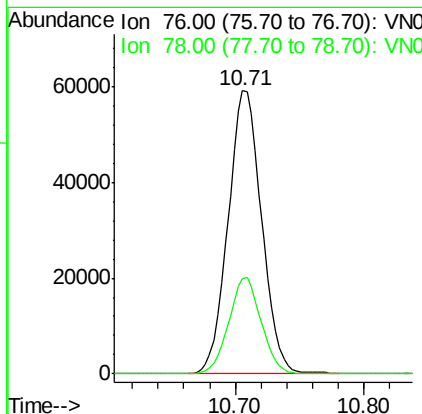
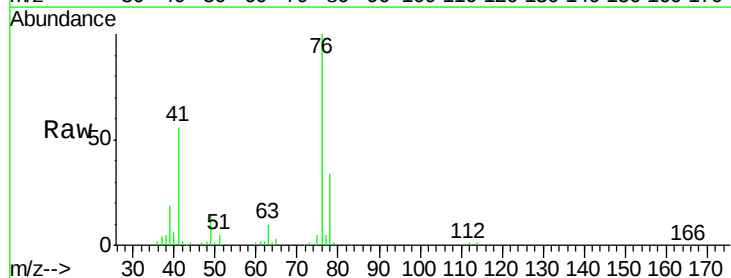
RT: 10.71 min Scan# 2778

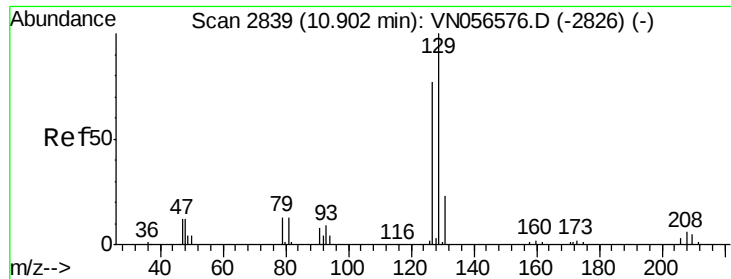
Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tgt Ion:	76	Resp:	106836
Ion Ratio		Lower	Upper
76	100		
78	32.8	0.0	63.4





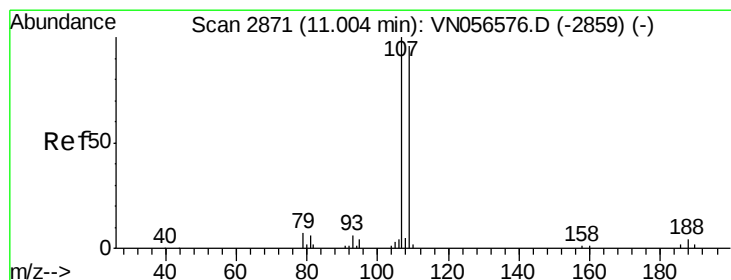
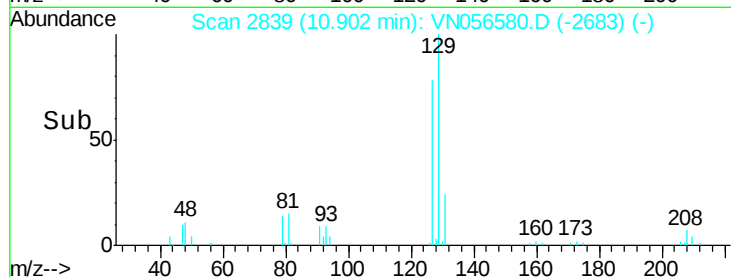
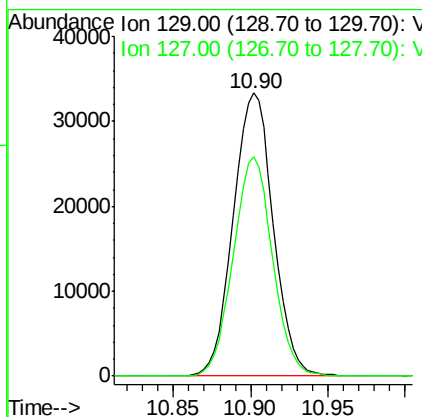
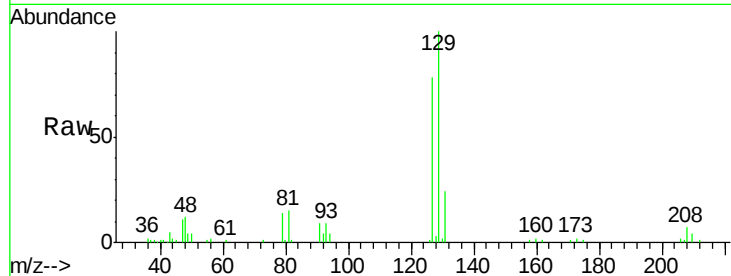
#53
 Dibromochloromethane
 Concen: 18.530 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070319

Tot Ion:129 Resp: 59853
 Ion Ratio Lower Upper
 129 100
 127 76.2 39.1 117.5

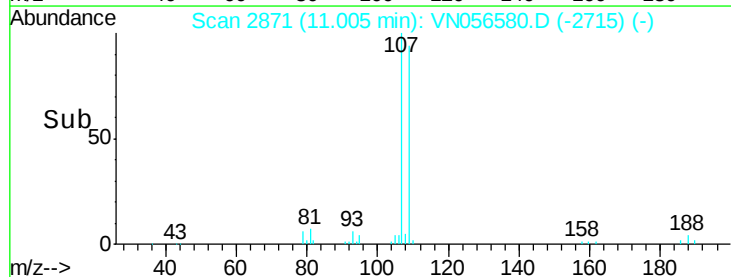
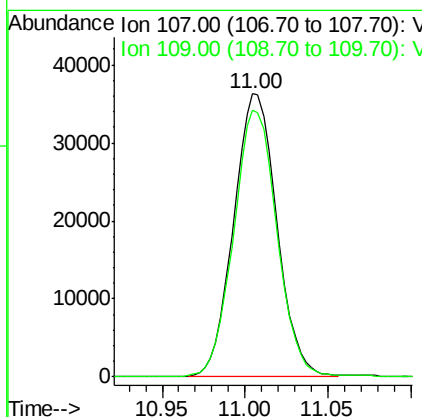
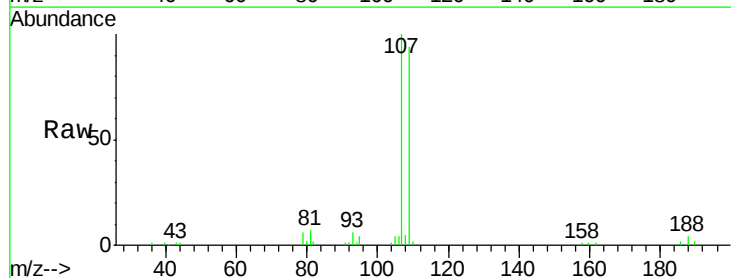
Manual Integrations
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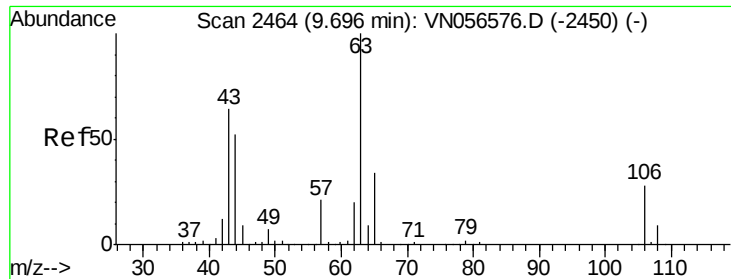
MMDadoda
 7/8/2019 10:05:05 AM



#54
 1,2-Dibromoethane
 Concen: 19.151 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion:107 Resp: 65761
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.8 115.2





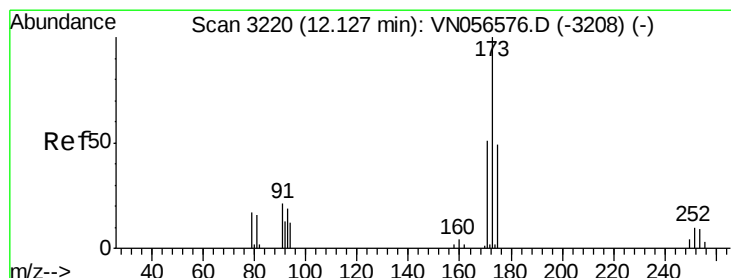
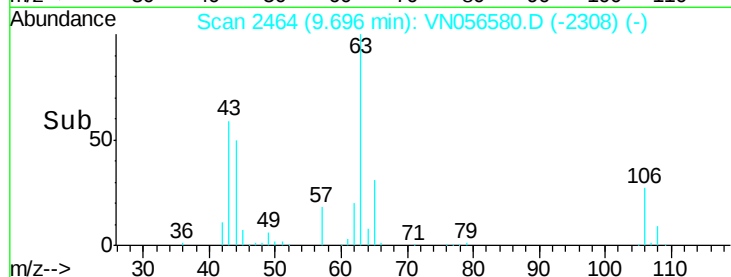
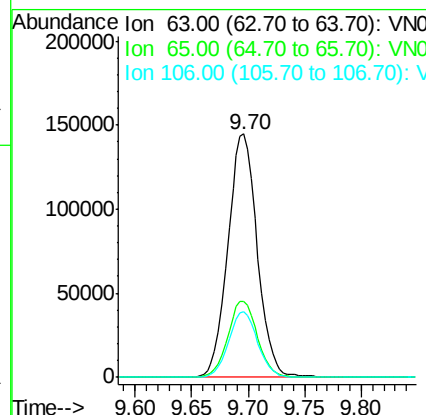
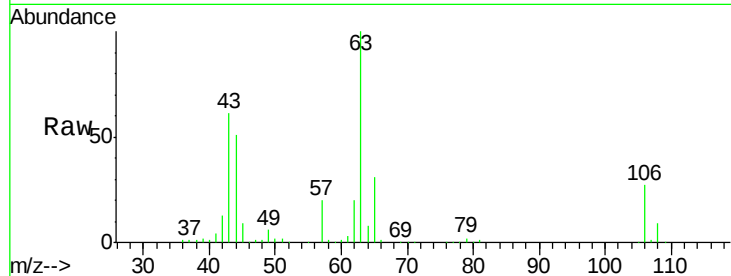
#55
2-Chloroethyl vinyl ether
Concen: 98.883 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.5	38.3
106	26.6	23.0	34.4

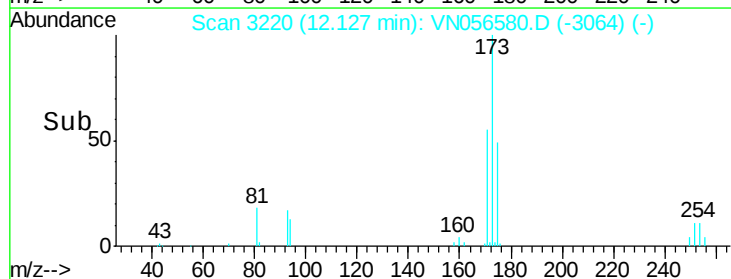
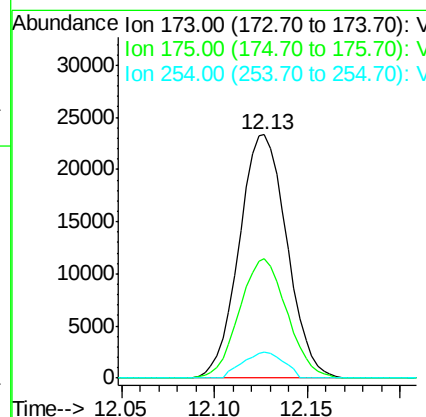
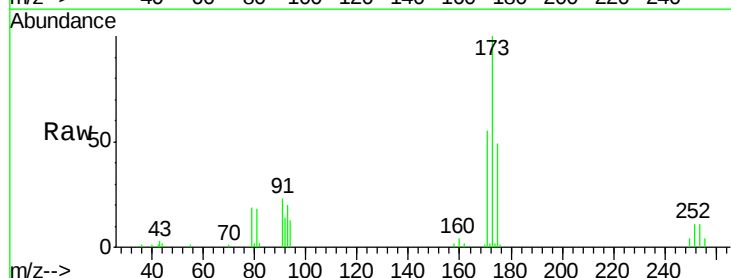
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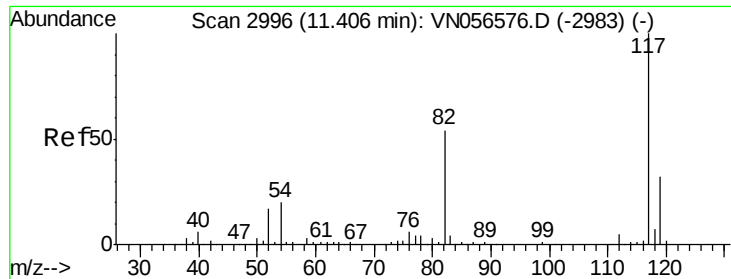
MMDadoda
7/8/2019 10:05:05 AM



#56
Bromoform
Concen: 17.834 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.7	58.1
254	9.1	6.6	9.8





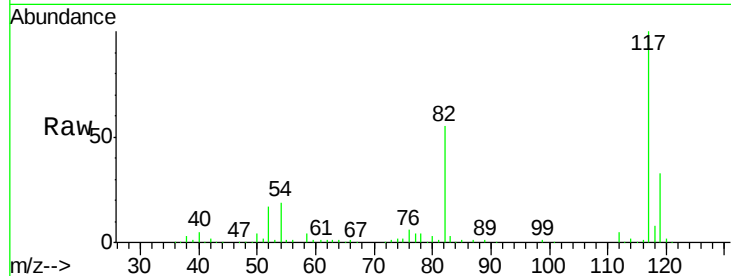
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

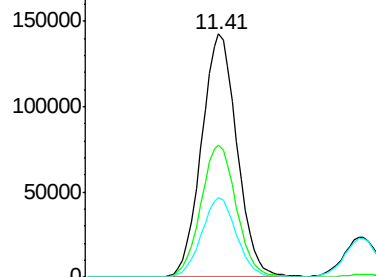
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	41.2	61.8
119	32.2	26.2	39.2

Manual Integrations
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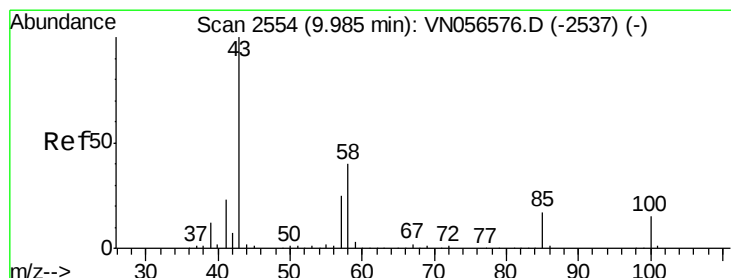
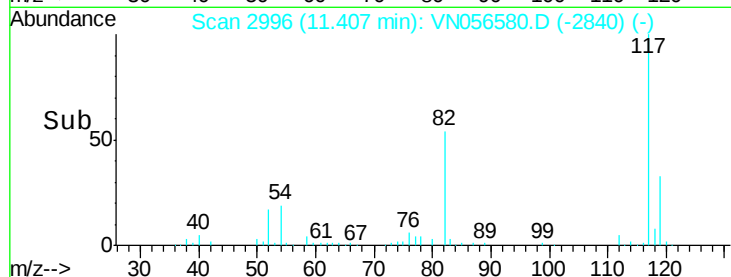
MMDadoda
7/8/2019 10:05:05 AM



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

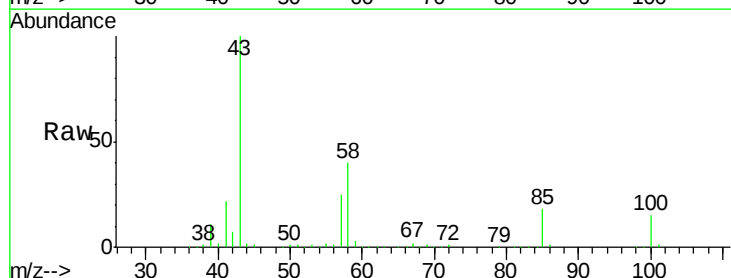


Time-->

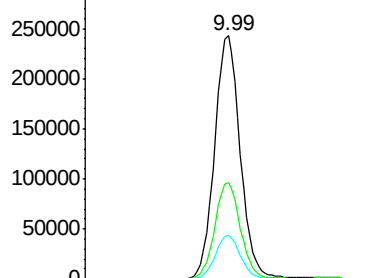


#58
4-Methyl-2-Pentanone
Concen: 98.933 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

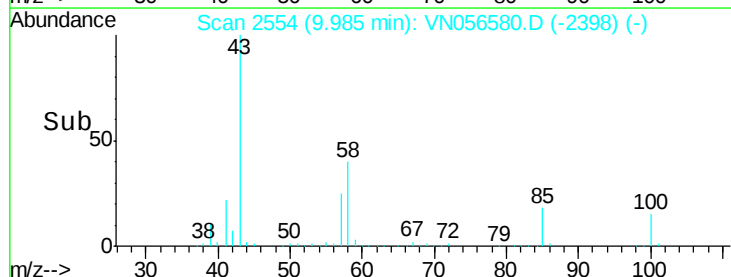
Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	33.1	49.7
85	17.6	15.5	23.3

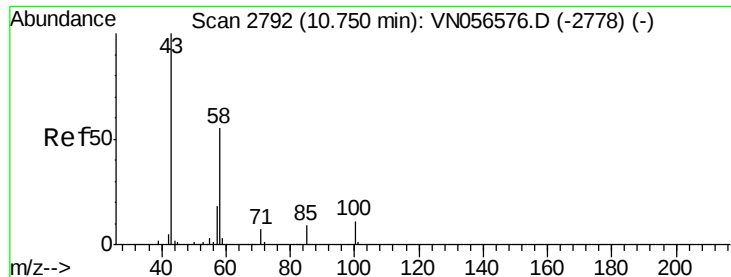


Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V



Time-->





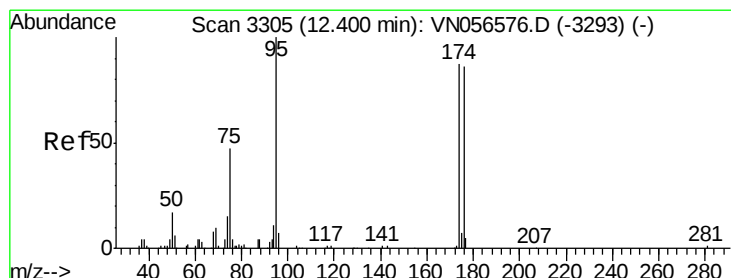
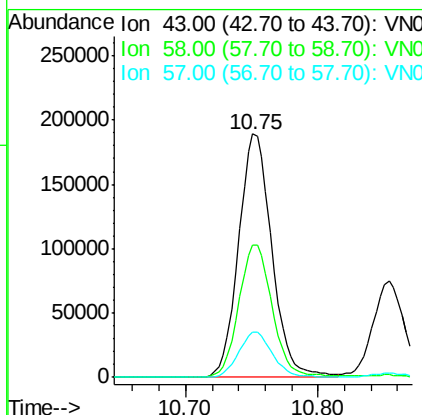
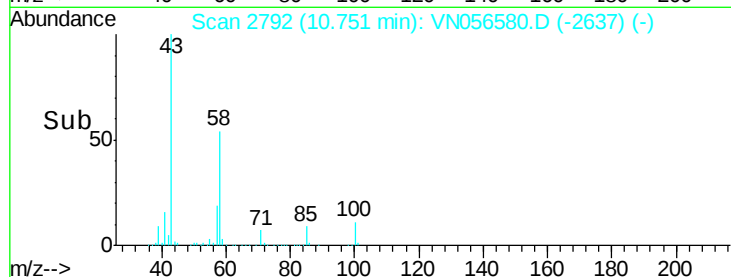
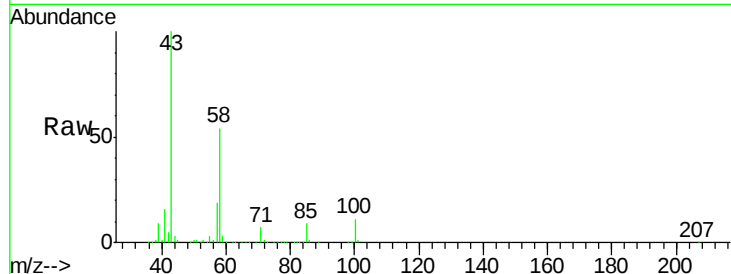
#59
2-Hexanone
Concen: 98.182 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampled :
ICVVN070319

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	45.3	67.9
57	18.7	15.6	23.4

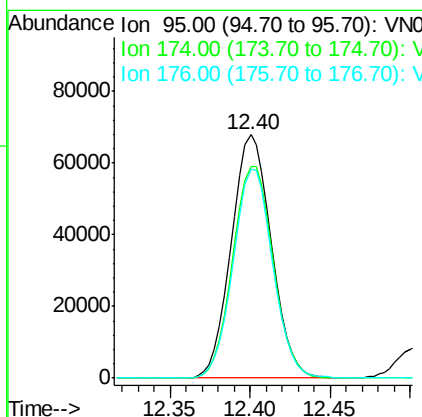
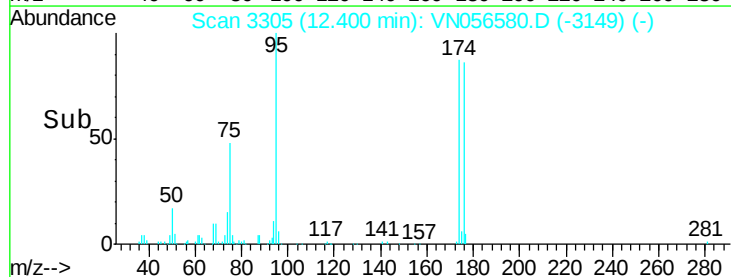
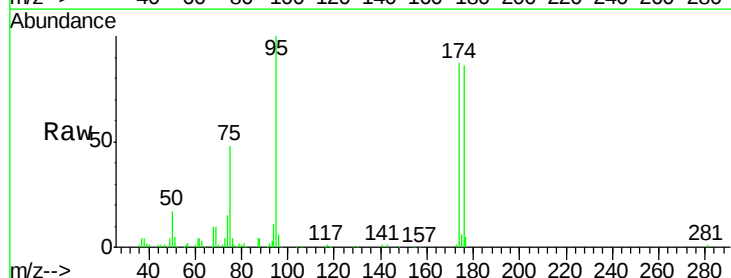
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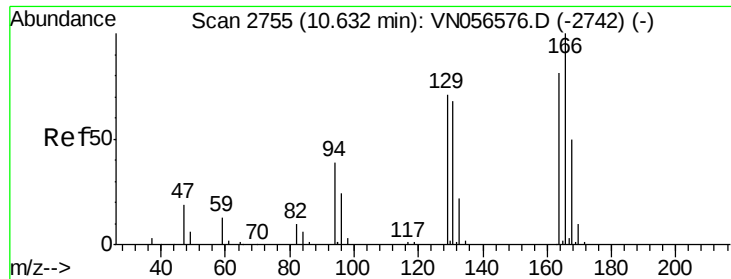
MMDadoda
7/8/2019 10:05:05 AM



#60
4-Bromofluorobenzene
Concen: 29.895 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.1	75.4	113.0
176	85.1	73.9	110.9





#61

Tetrachloroethene

Concen: 20.505 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN070319

Tot Ion:164 Resp: 64824

Ion Ratio Lower Upper

164 100

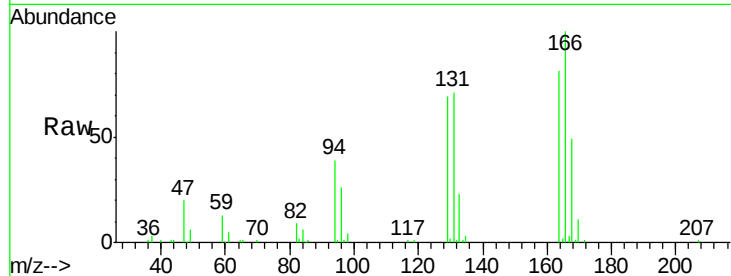
166 124.1 104.3 156.5

129 85.6 71.5 107.3

131 87.9 67.7 101.5

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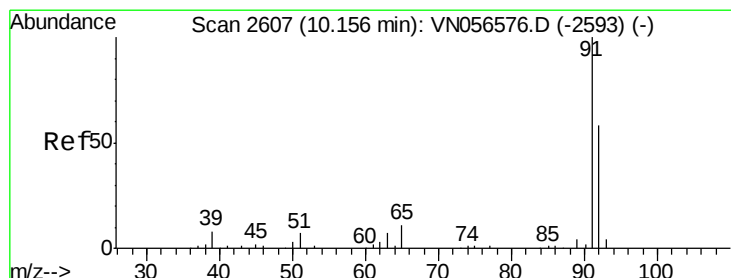
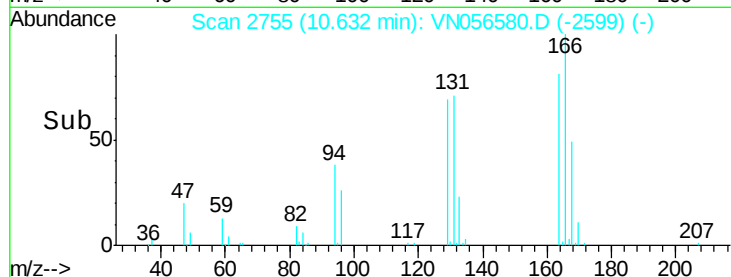
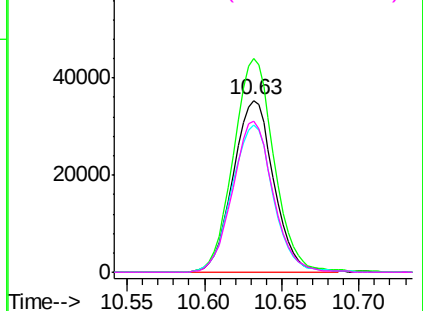


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.516 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056580.D

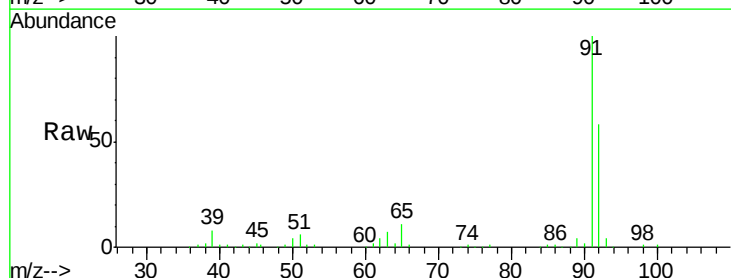
Acq: 3 Jul 2019 11:06

Tgt Ion: 91 Resp: 274345

Ion Ratio Lower Upper

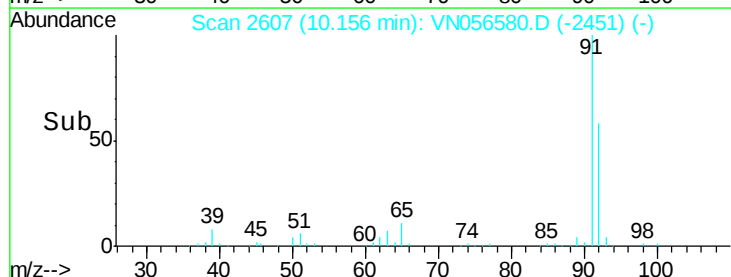
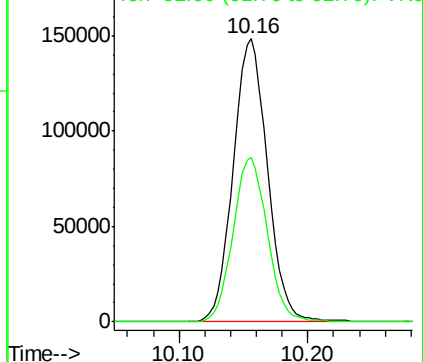
91 100

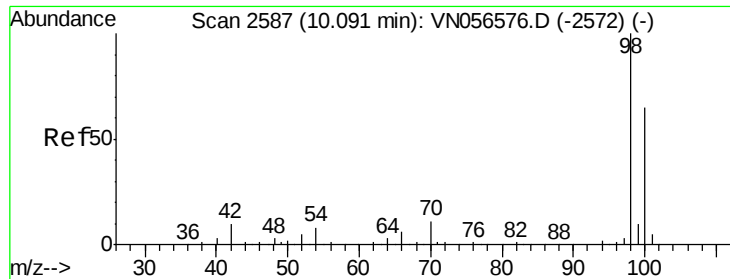
92 58.1 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





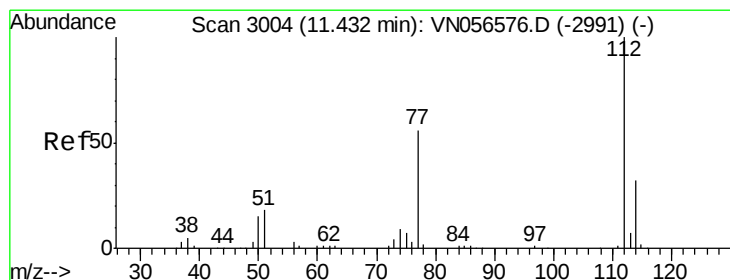
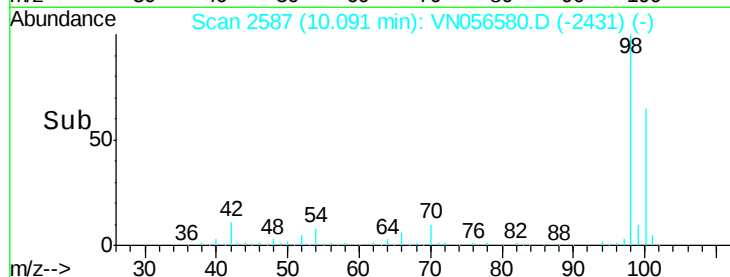
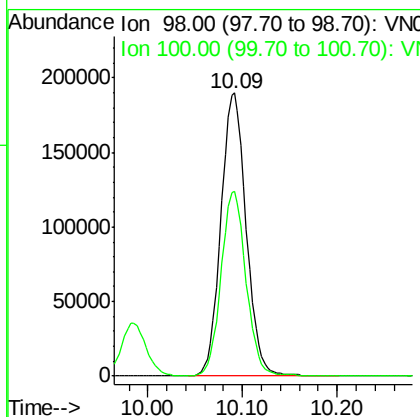
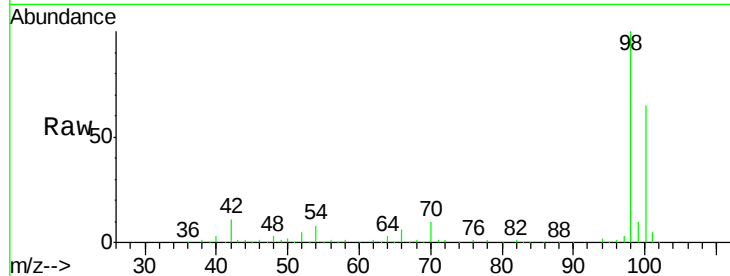
#63
Toluene-d8
Concen: 30.129 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampled :
ICVVN070319

Tot Ion: 98 Resp: 352635
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4

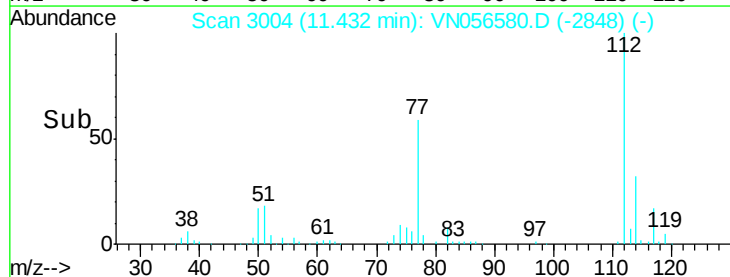
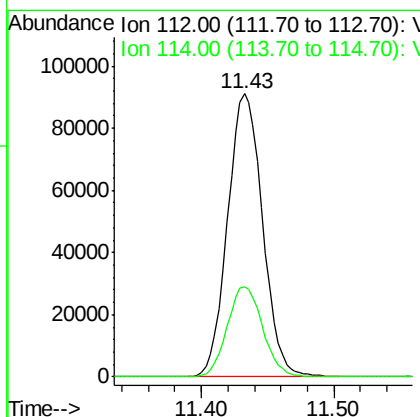
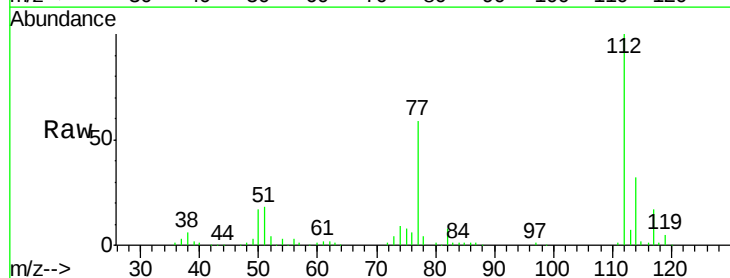
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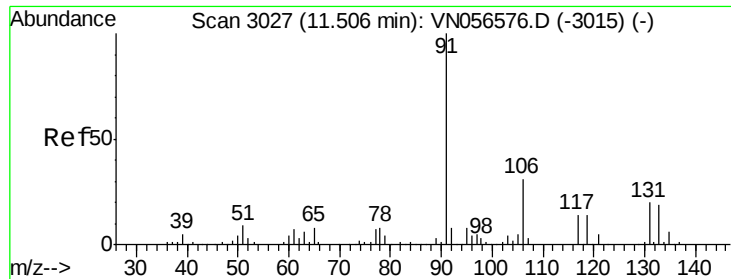
MMDadoda
7/8/2019 10:05:05 AM



#64
Chlorobenzene
Concen: 19.721 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion: 112 Resp: 167016
Ion Ratio Lower Upper
112 100
114 31.9 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.564 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

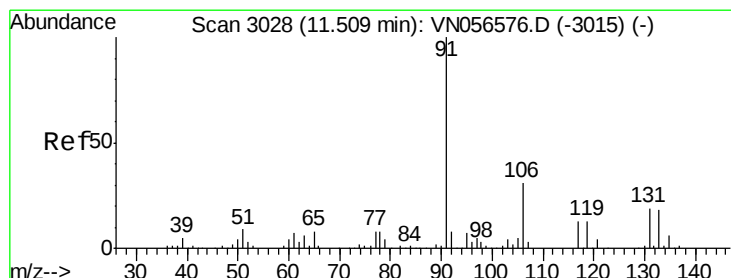
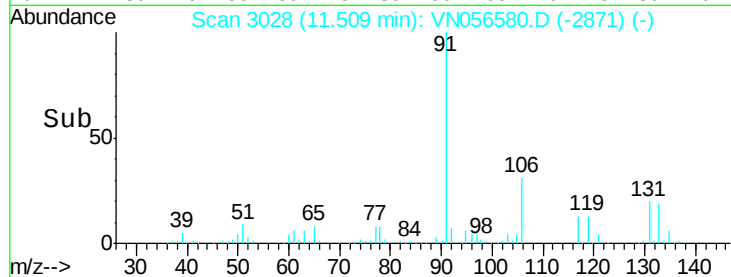
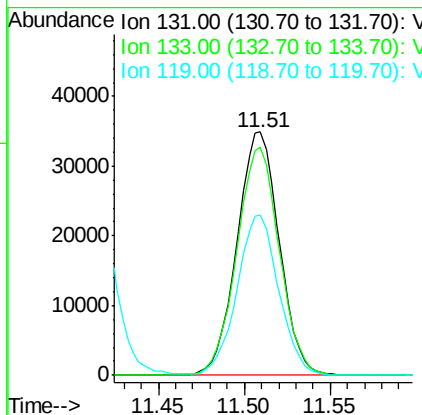
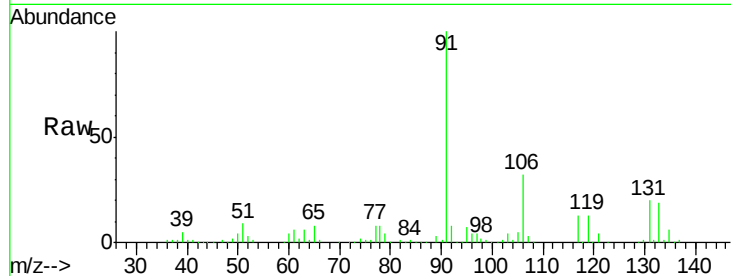
ClientSampled :

ICVVN070319

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.4	0.0	193.8
119	65.0	0.0	134.4

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#66

Ethyl Benzene

Concen: 19.381 ug/l

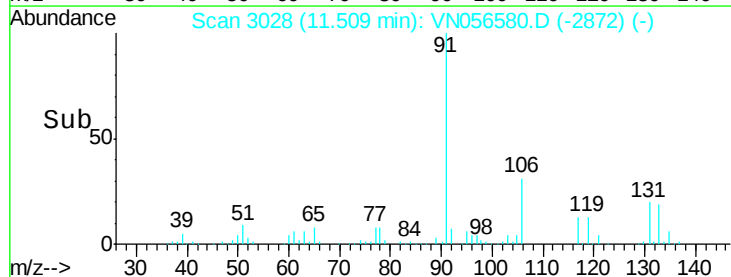
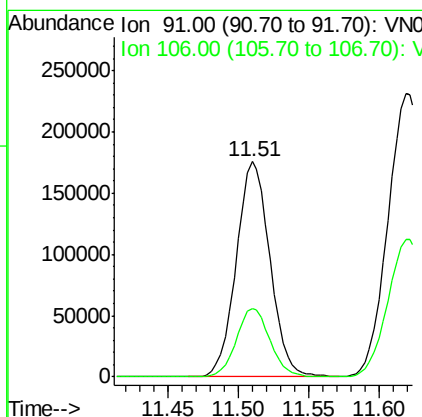
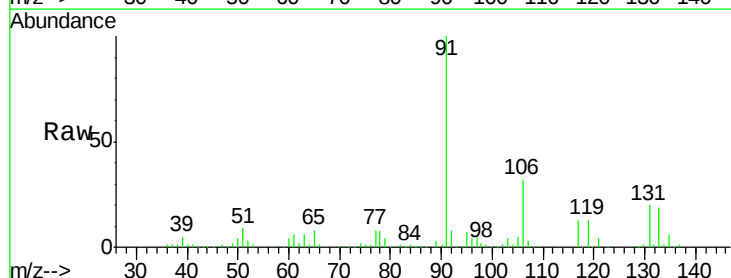
RT: 11.51 min Scan# 3028

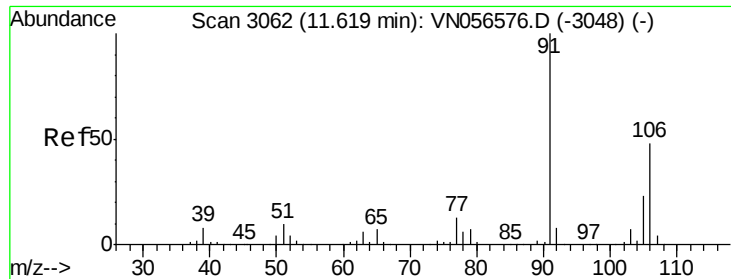
Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.7	38.5





#67

m/p-Xylenes

Concen: 39.425 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN070319

Tot Ion:106 Resp: 221765

Ion Ratio Lower Upper

106 100

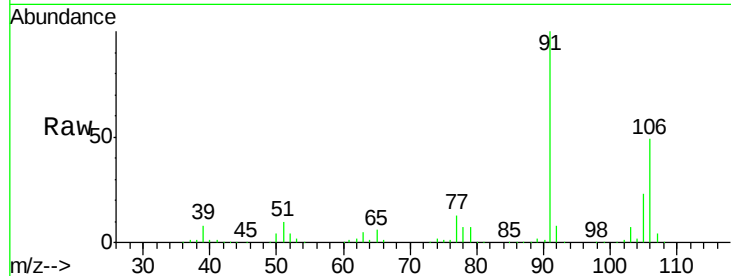
91 203.5 155.7 233.5

Manual Integrations

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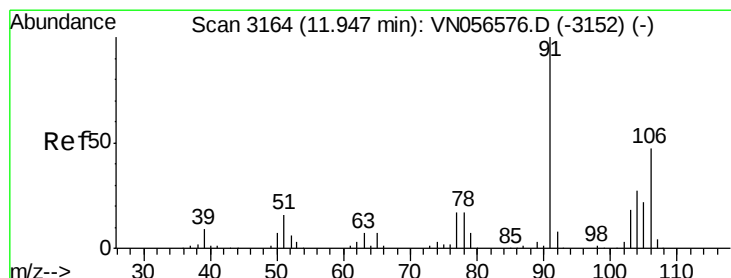
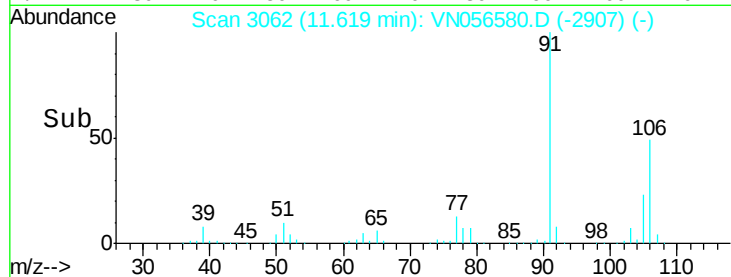
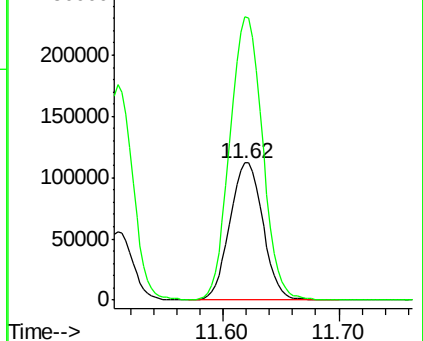
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.287 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056580.D

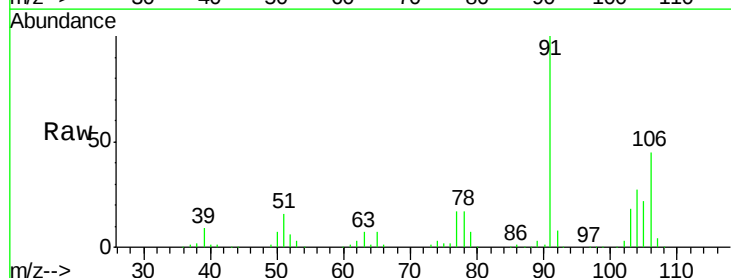
Acq: 3 Jul 2019 11:06

Tgt Ion:106 Resp: 107290

Ion Ratio Lower Upper

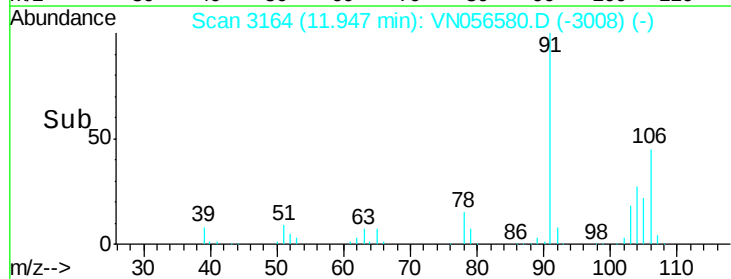
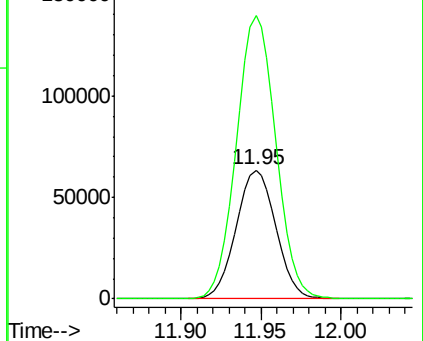
106 100

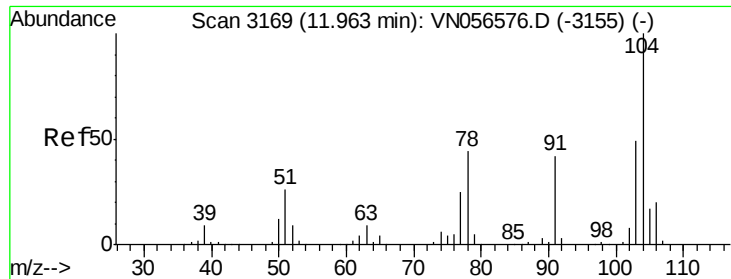
91 218.4 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





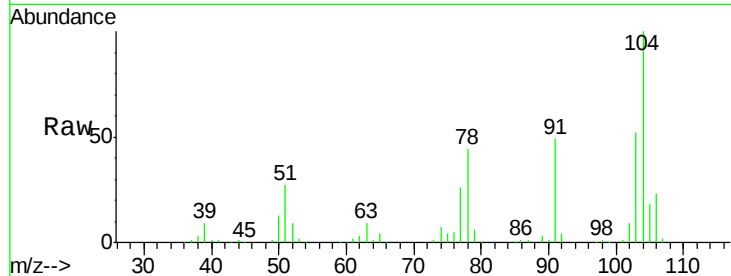
#69
Stvrene
Concen: 19.282 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampled :
ICVVN070319

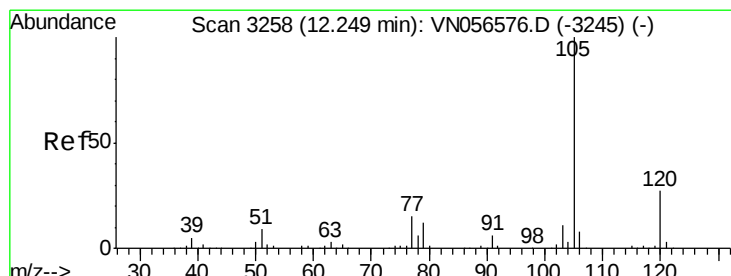
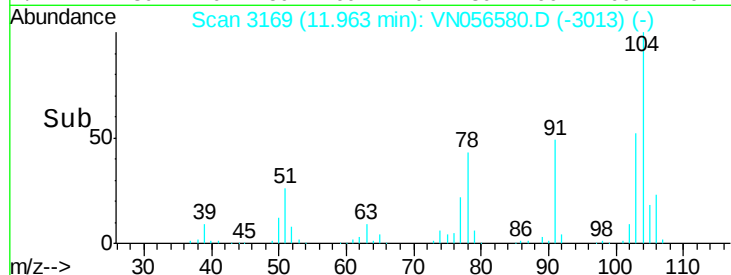
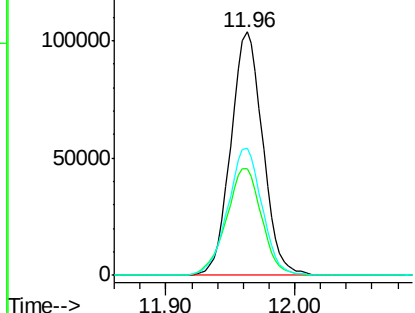
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	37.0	55.6
103	56.0	44.4	66.6

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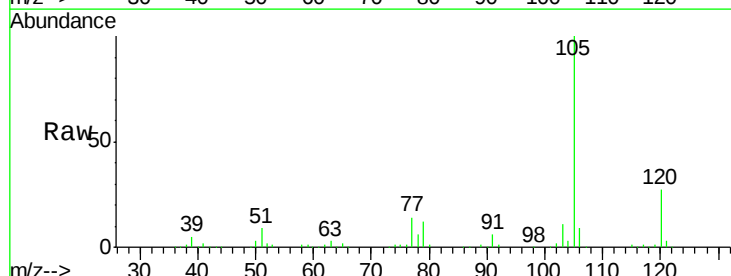


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

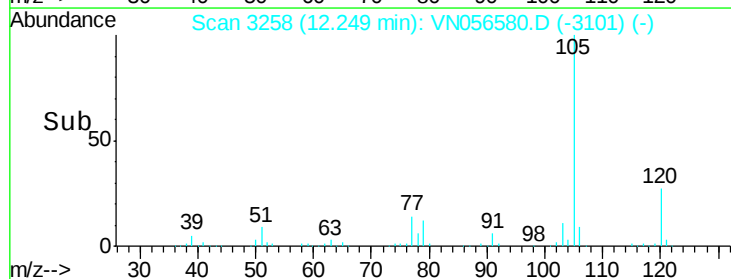
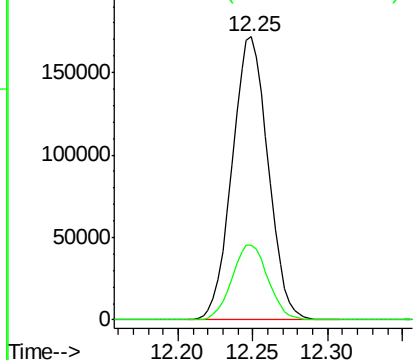


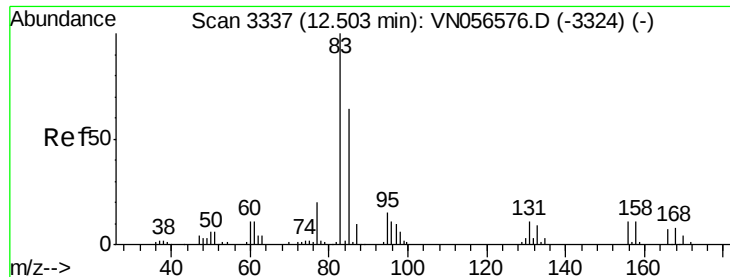
#70
Isopropylbenzene
Concen: 19.807 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.3	35.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





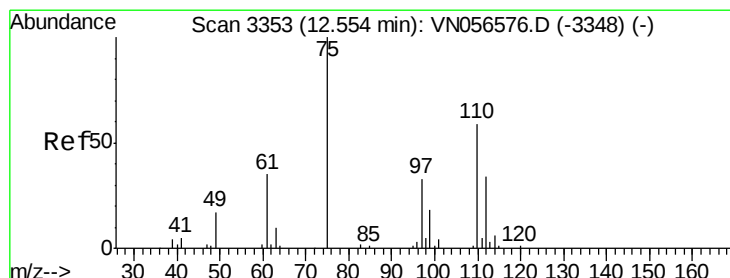
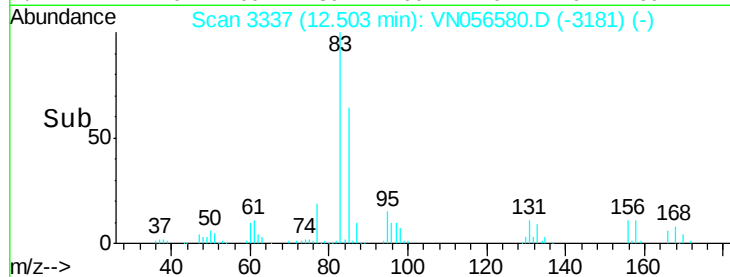
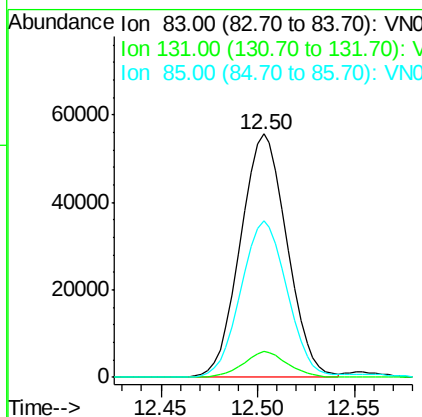
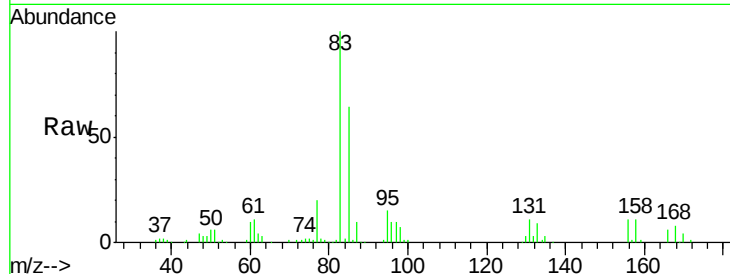
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.456 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070319

Tot Ion	83	Resp	93356
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	64.0	31.6	94.7

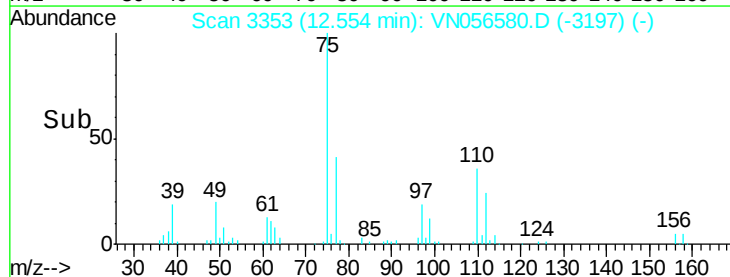
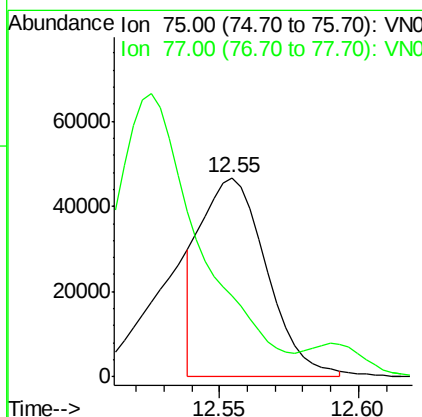
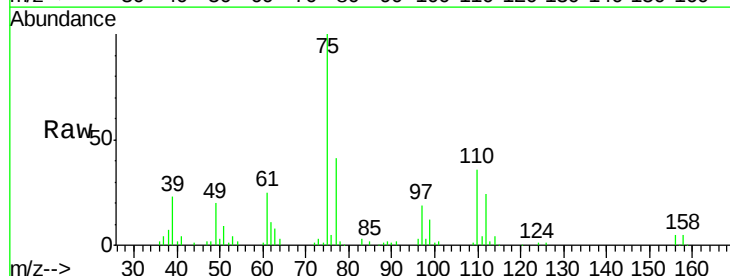
Manual Integrations
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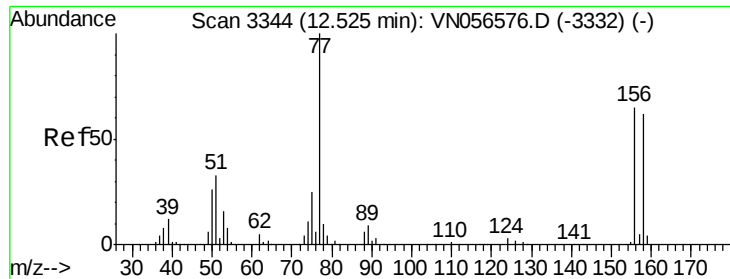
MMDadoda
 7/8/2019 10:05:05 AM



#72
 1,2,3-Trichloropropane
 Concen: 18.892 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion	75	Resp	76232
Ion Ratio	100	Lower	Upper
75	100		
77	188.6	0.0	350.0





#73

Bromobenzene

Concen: 19.495 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

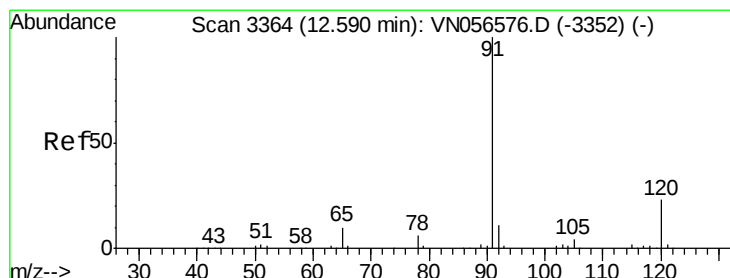
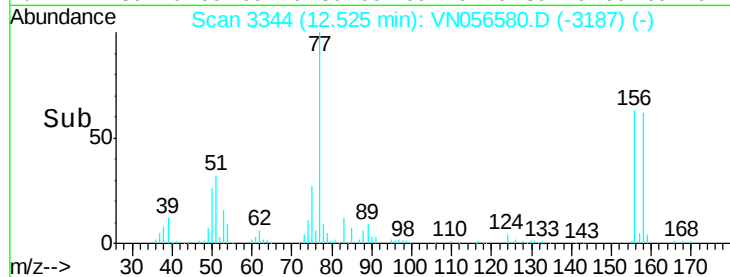
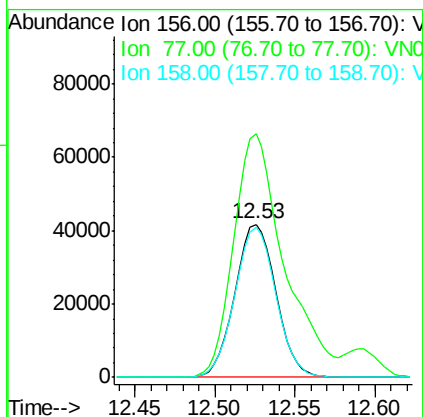
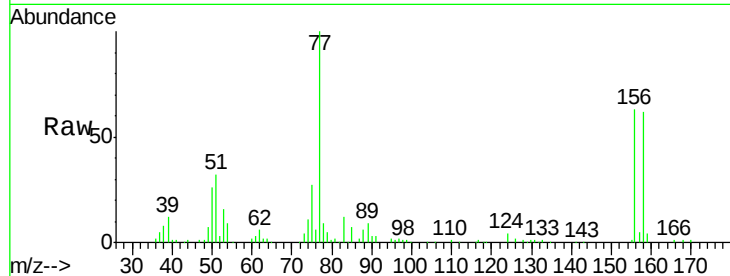
ClientSampled :

ICVVN070319

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	197.0	0.0	350.8	
158	97.8	0.0	193.2	

Manual Integrations
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MMDadoda
7/8/2019 10:05:05 AM



#74

n-propylbenzene

Concen: 19.610 ug/l

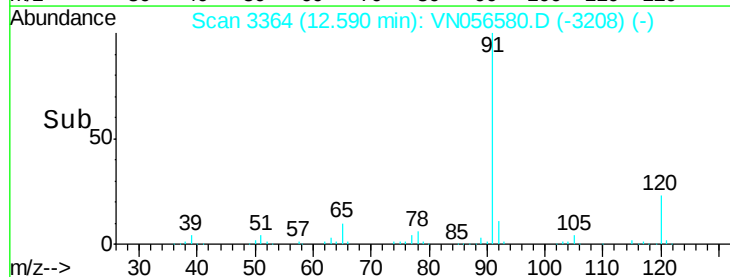
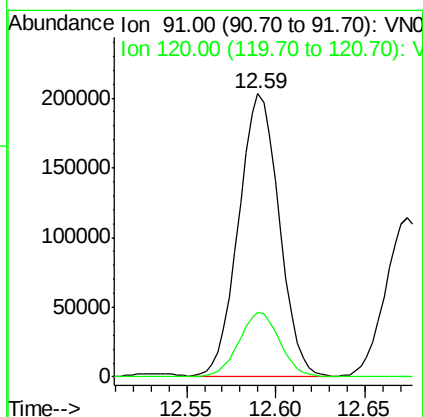
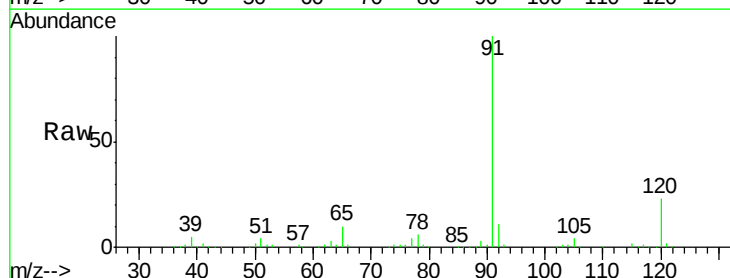
RT: 12.59 min Scan# 3364

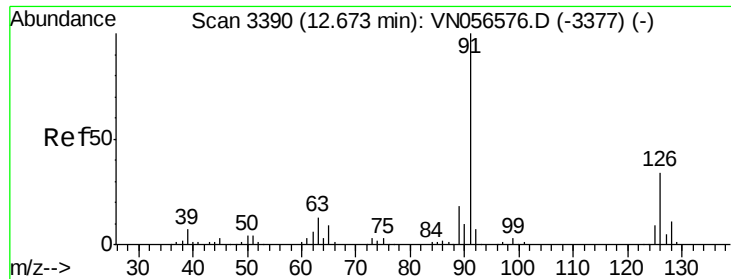
Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.9	0.0	48.6	





#75

2-Chlorotoluene

Concen: 19.720 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN070319

Tot Ion: 91 Resp: 194172

Ion Ratio Lower Upper

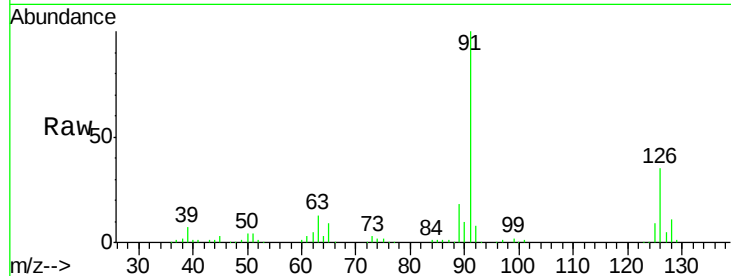
91 100

126 34.8 0.0 72.4

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7/8/2019 10:05:05 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)

200000

150000

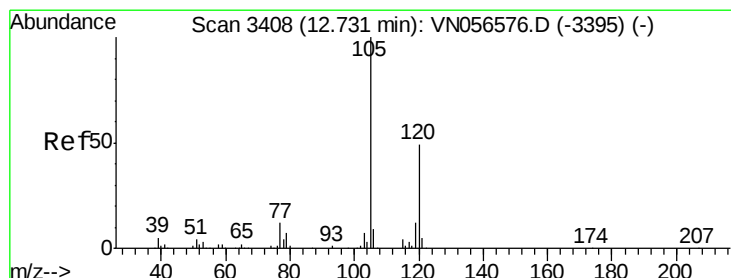
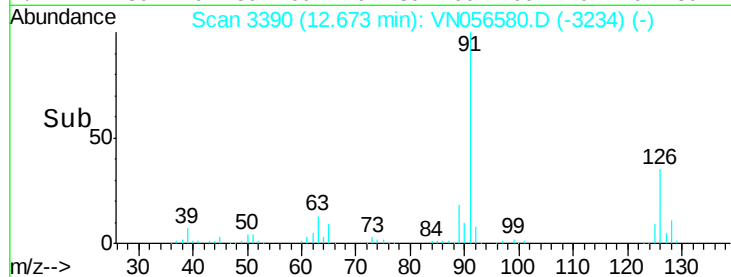
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.691 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056580.D

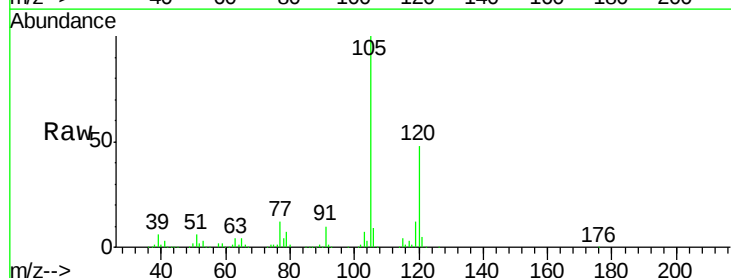
Acq: 3 Jul 2019 11:06

Tgt Ion: 105 Resp: 242012

Ion Ratio Lower Upper

105 100

120 48.5 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)

150000

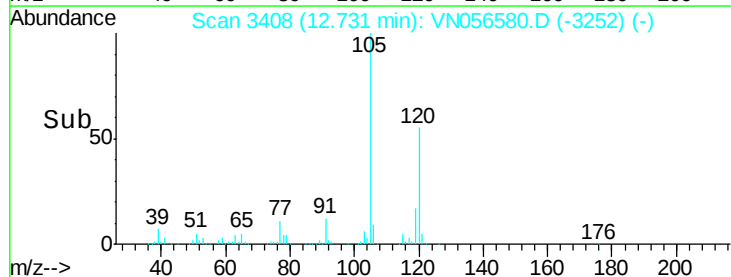
100000

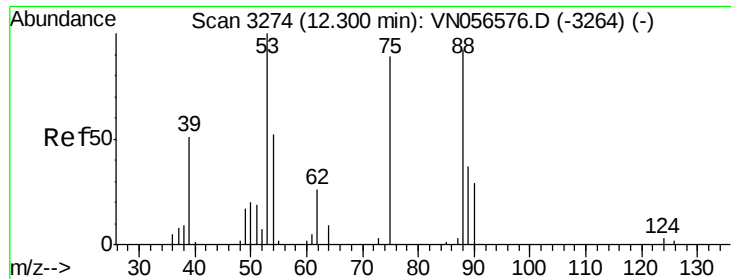
50000

0

12.65 12.70 12.75 12.80

Time-->





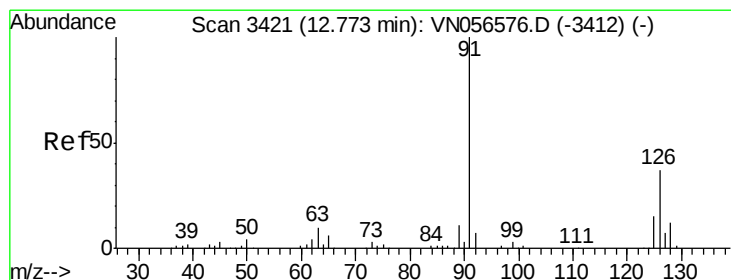
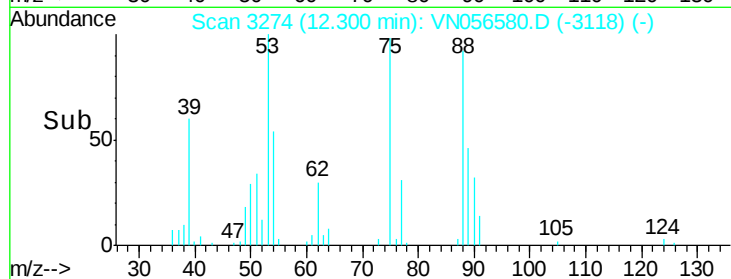
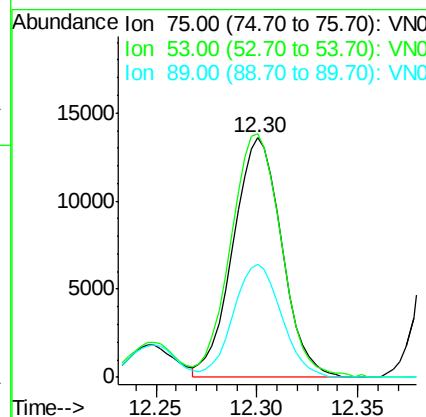
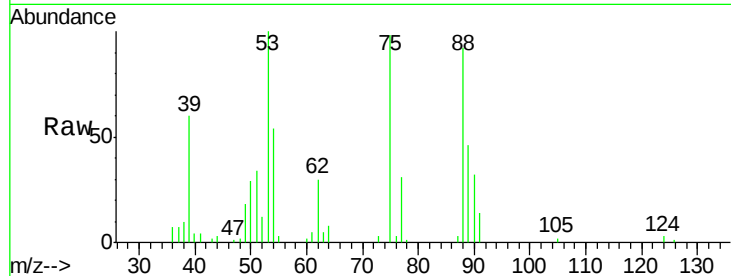
#77
t-1,4-Dichloro-2-butene
Concen: 17.814 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.2	48.0	144.0
89	47.2	22.5	67.5

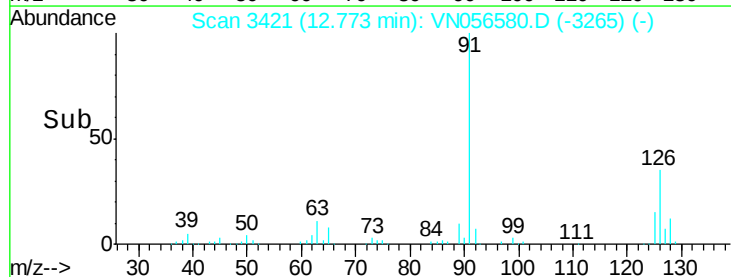
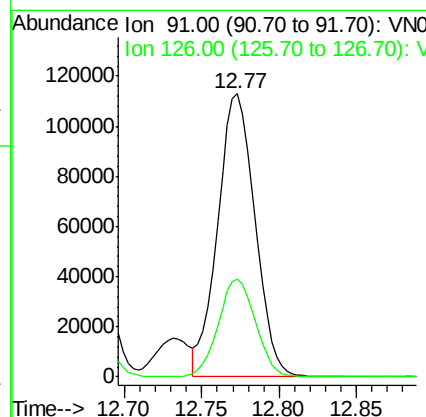
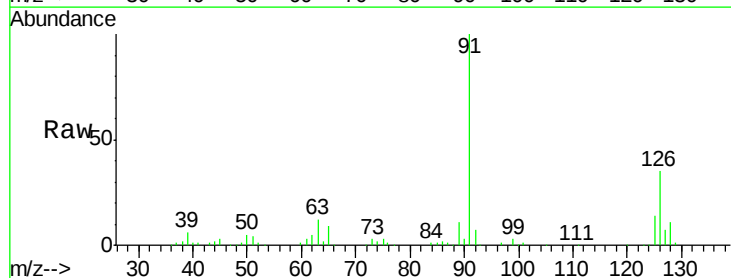
Manual Integrations
APPROVED

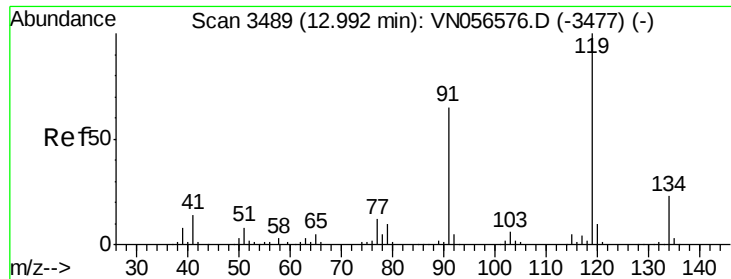
MMDadoda
7/8/2019 10:05:05 AM



#78
4-Chlorotoluene
Concen: 19.747 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	71.8





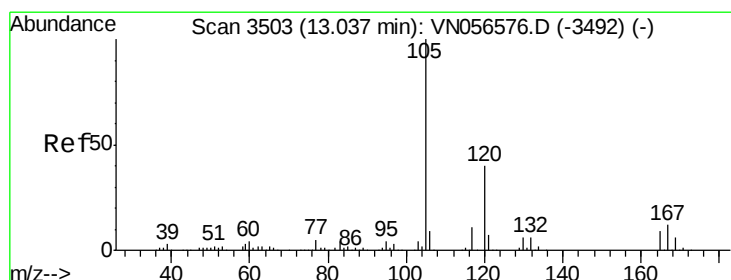
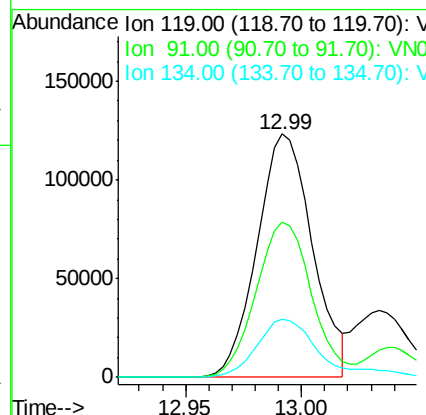
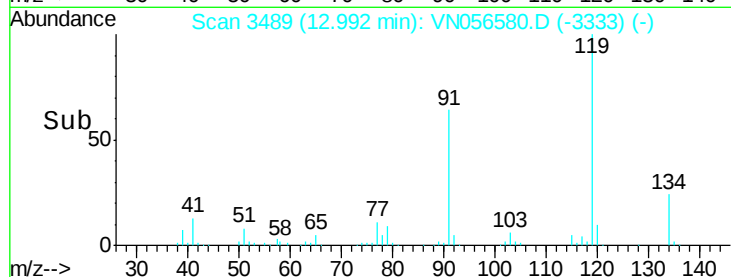
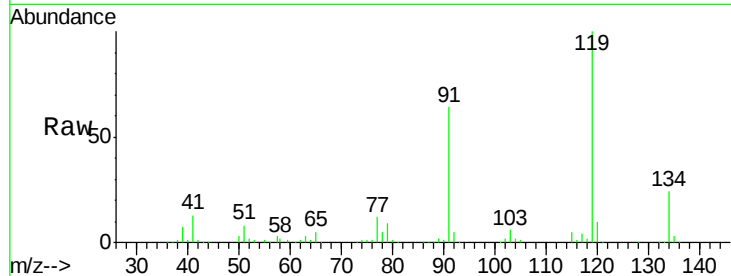
#79
tert-butylbenzene
Concen: 19.546 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

Tot Ion	Ratio	Resp	Lower	Upper
119	100	205245		
91	63.8		0.0	122.8
134	27.0		0.0	50.2

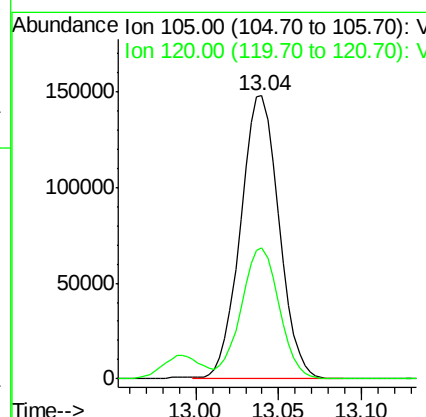
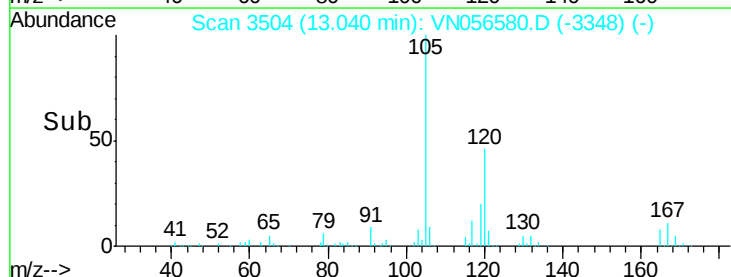
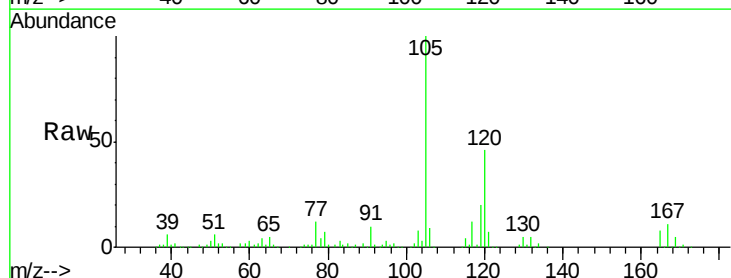
Manual Integrations
APPROVED

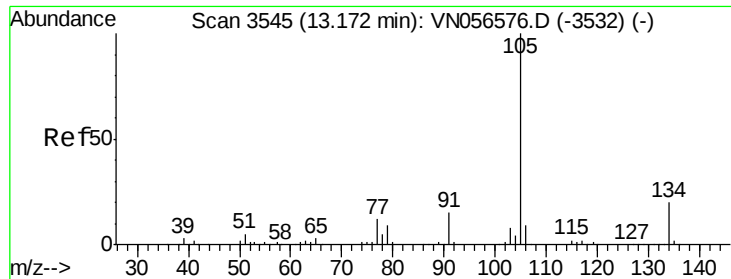
MMDadoda
7/8/2019 10:05:05 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.719 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	239368		
120	45.7		0.0	93.4





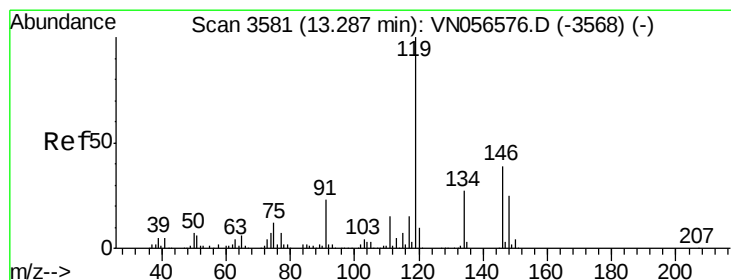
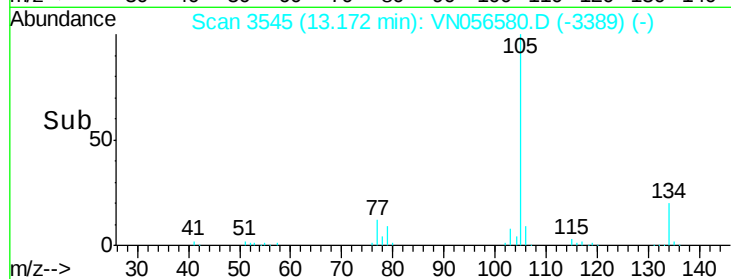
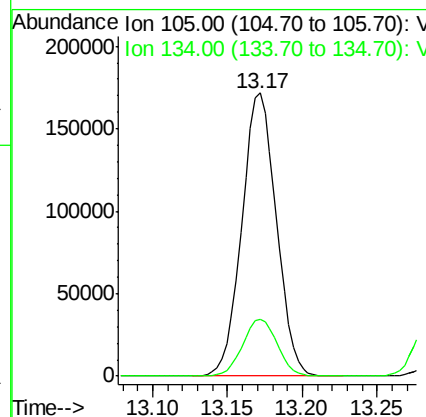
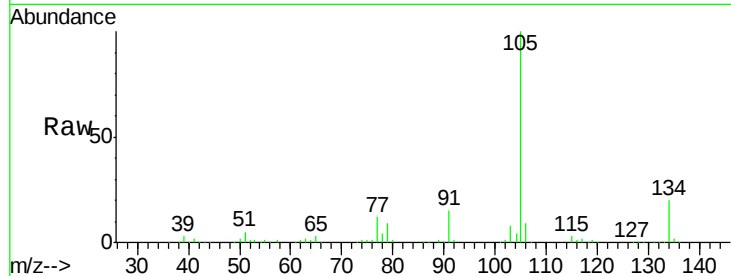
#81
 sec-Butylbenzene
 Concen: 19.783 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070319

Tot Ion	Ratio	Resp	Lower	Upper
105	100	275479		
134	20.2	0.0	41.8	

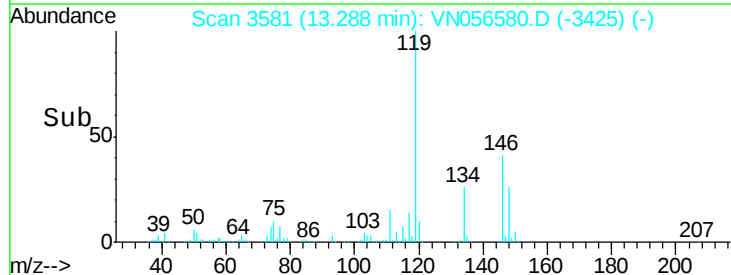
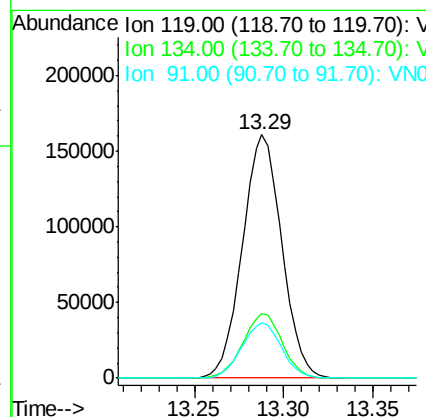
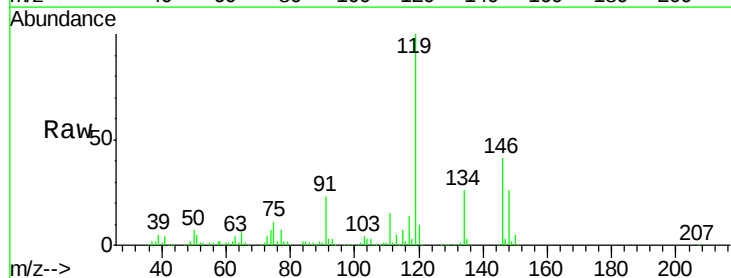
Manual Integrations
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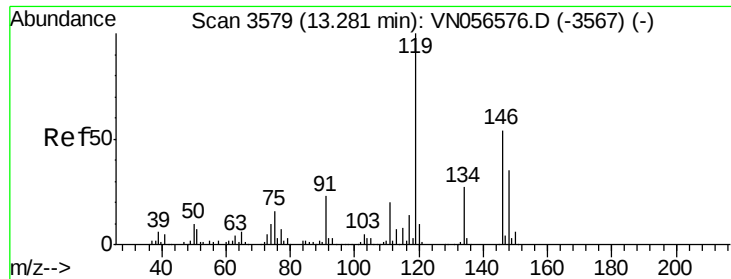
MMDadoda
 7/8/2019 10:05:05 AM



#82
 p-Isopropyltoluene
 Concen: 19.715 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	246823		
134	26.6	0.0	53.4	
91	22.7	0.0	43.0	





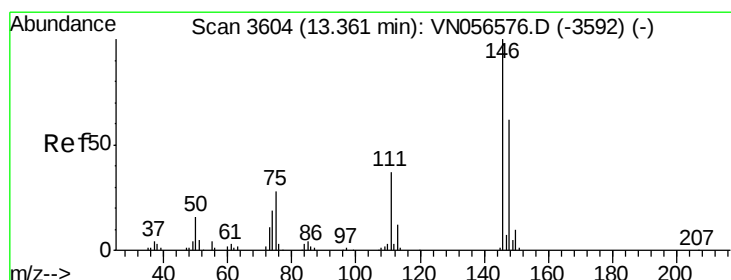
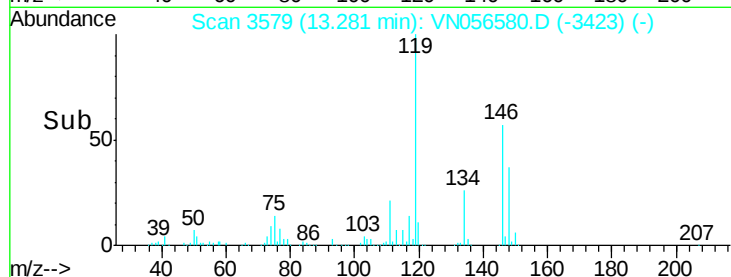
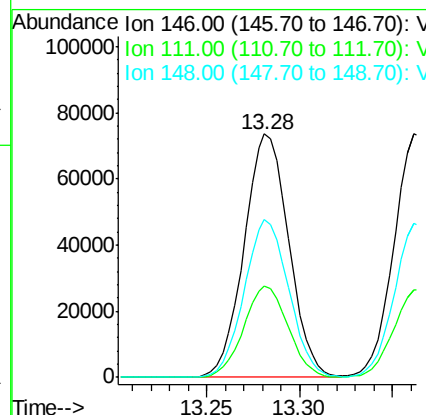
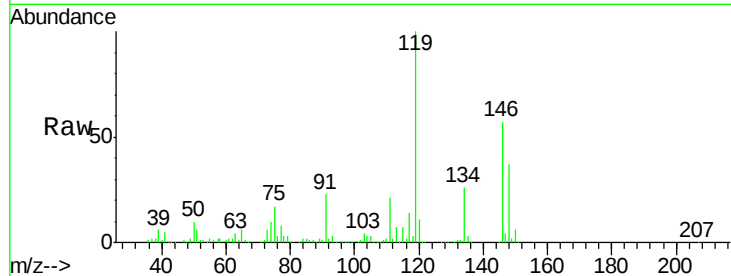
#83
 1,3-Dichlorobenzene
 Concen: 19.749 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN070319

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122768		
111	37.4	18.2	54.6	
148	64.6	31.9	95.9	

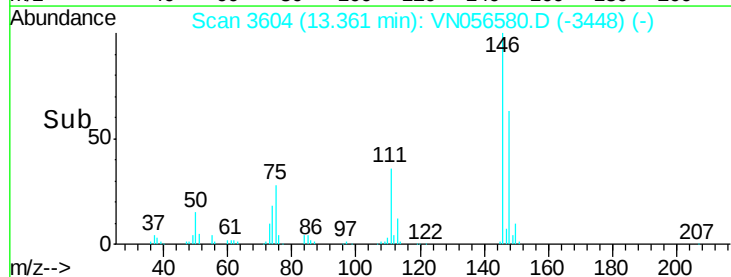
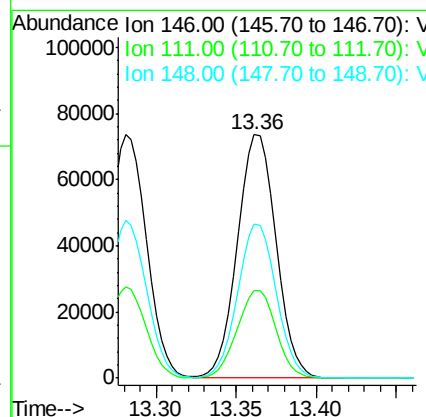
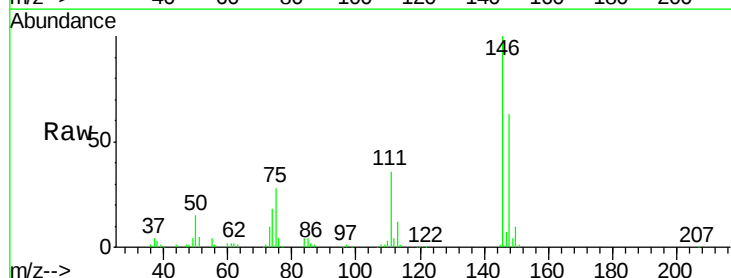
Manual Integrations
 APPROVED

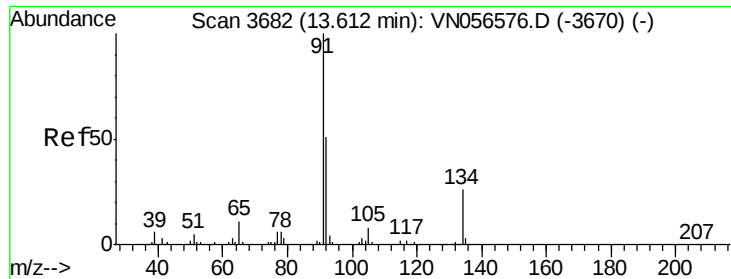
MMDadoda
 7/8/2019 10:05:05 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.197 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121112		
111	35.7	17.6	52.9	
148	63.3	32.1	96.3	





#85

n-Butylbenzene

Concen: 19.371 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

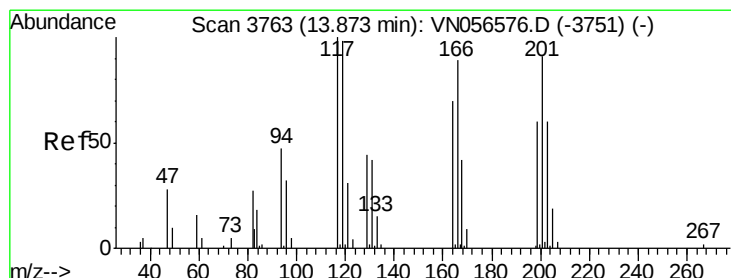
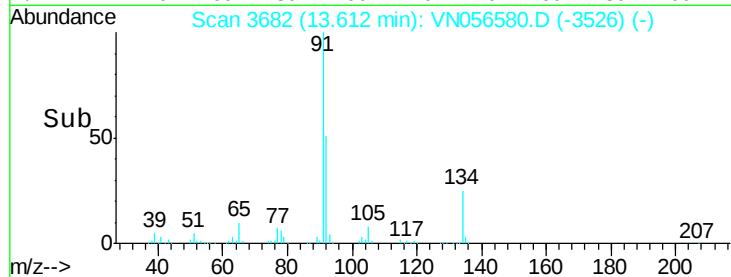
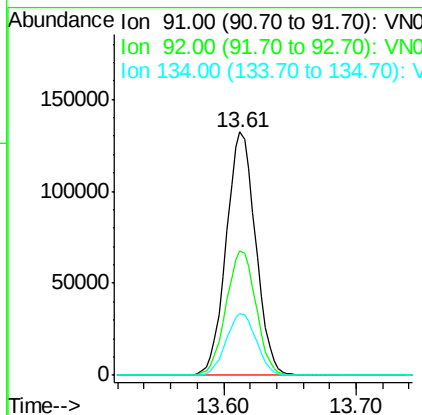
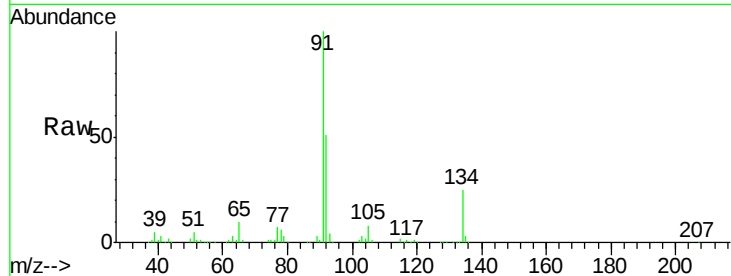
ClientSampleId :

ICVVN070319

Tot Ion:	91	Resp:	203807
Ion Ratio	Lower	Upper	
91	100		
92	52.0	0.0	107.2
134	25.9	0.0	55.8

Manual Integrations
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#86

Hexachloroethane

Concen: 18.874 ug/l

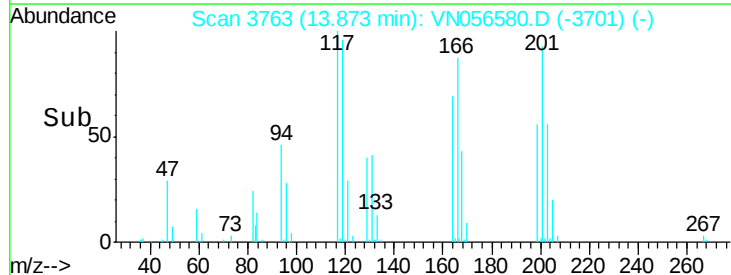
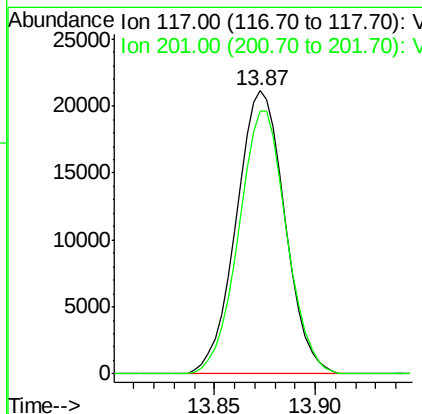
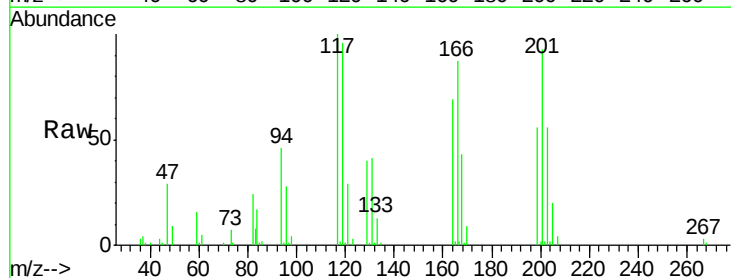
RT: 13.87 min Scan# 3763

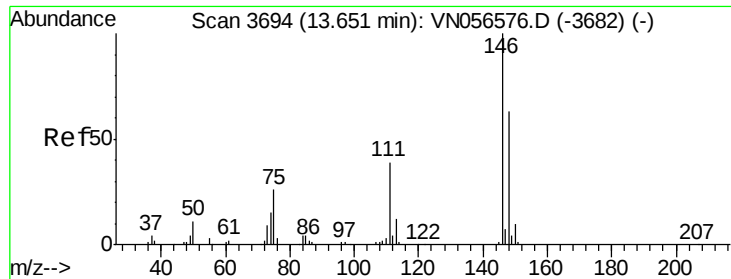
Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tgt Ion:	117	Resp:	35629
Ion Ratio	Lower	Upper	
117	100		
201	91.3	48.1	144.4





#87

1,2-Dichlorobenzene

Concen: 20.004 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Instrument :

MSVOA_N

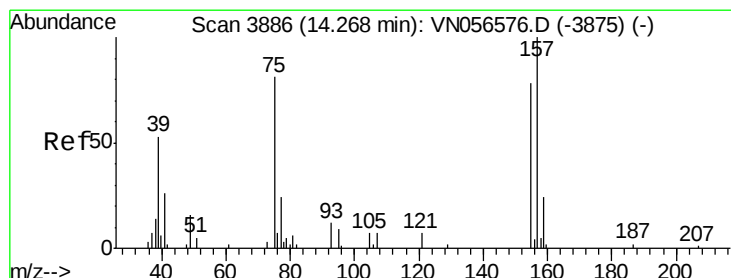
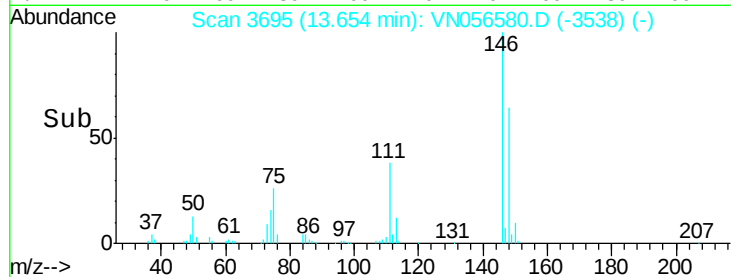
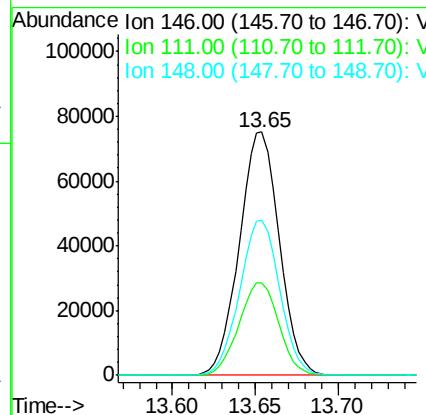
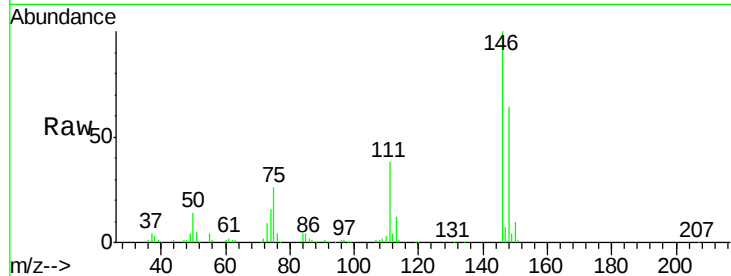
ClientSampleId :

ICVVN070319

Tot Ion:	146	Resp:	126281
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.3	57.9
148	63.9	32.6	97.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.970 ug/l

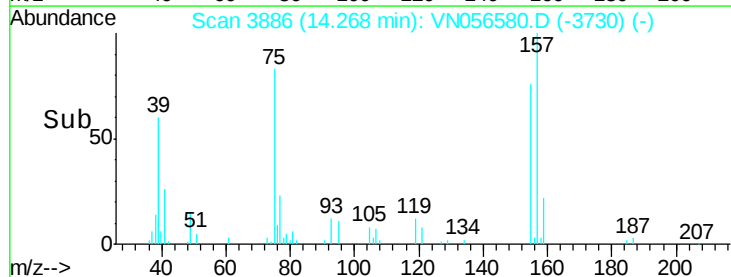
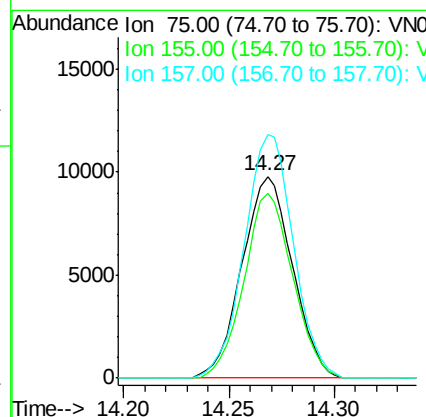
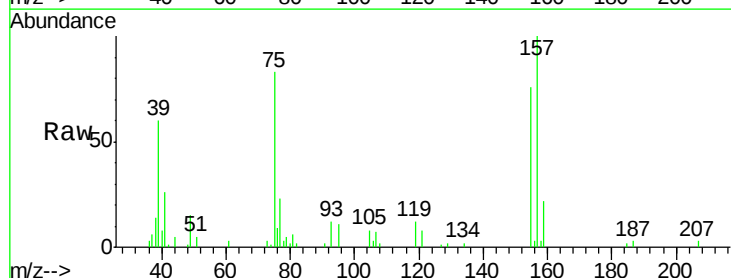
RT: 14.27 min Scan# 3886

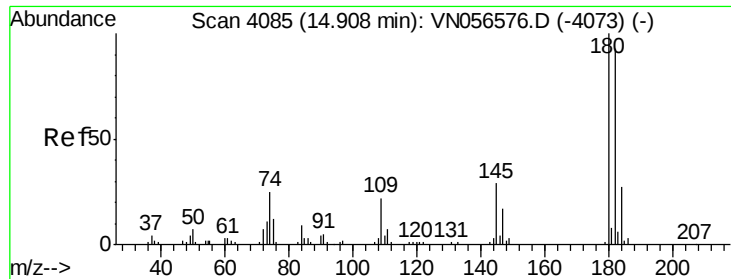
Delta R.T. 0.00 min

Lab File: VN056580.D

Acq: 3 Jul 2019 11:06

Tgt Ion:	75	Resp:	16311
Ion Ratio	Lower	Upper	
75	100		
155	88.0	82.5	123.7
157	117.4	105.1	157.7





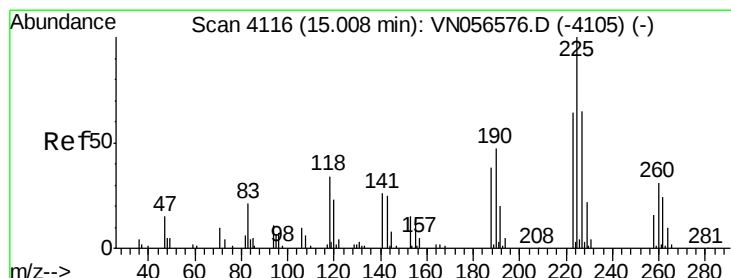
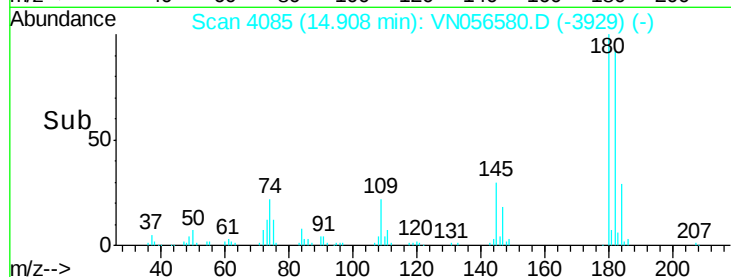
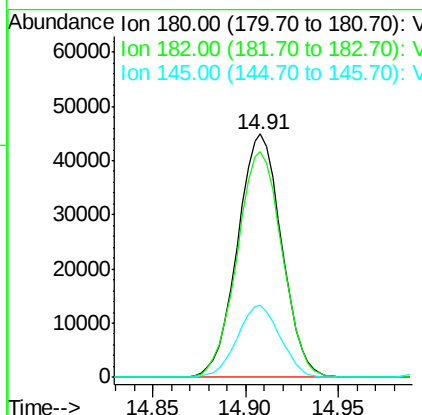
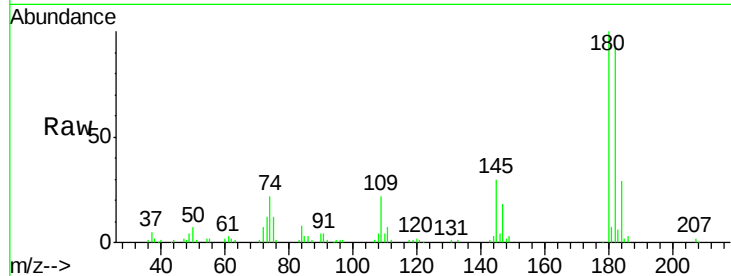
#89
 1,2,4-Trichlorobenzene
 Concen: 21.240 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070319

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.0	112.6
145	28.9	22.1	33.1

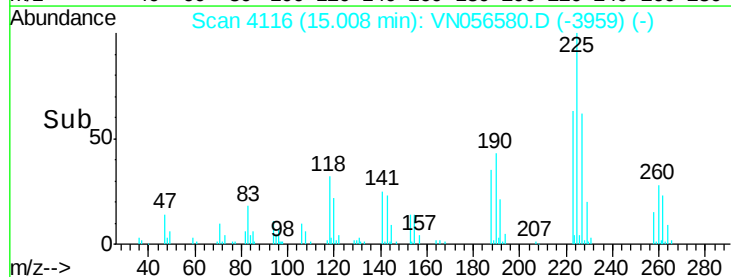
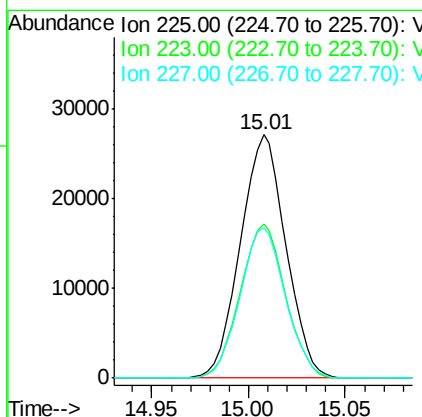
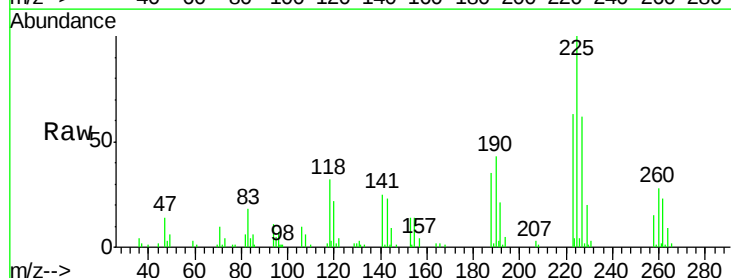
Manual Integrations
 APPROVED

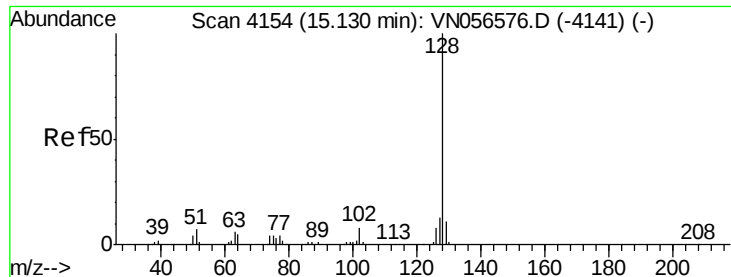
MMDadoda
 7/8/2019 10:05:05 AM



#90
 Hexachlorobutadiene
 Concen: 20.430 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056580.D
 Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	0.0	125.6
227	61.6	0.0	128.6





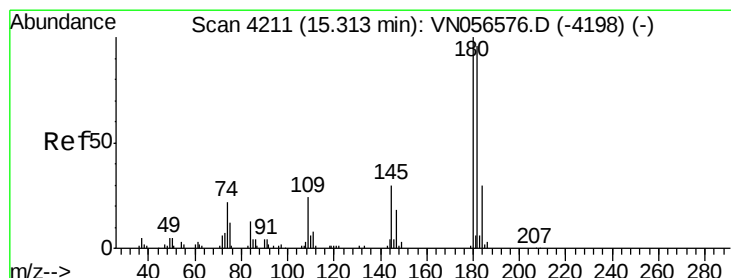
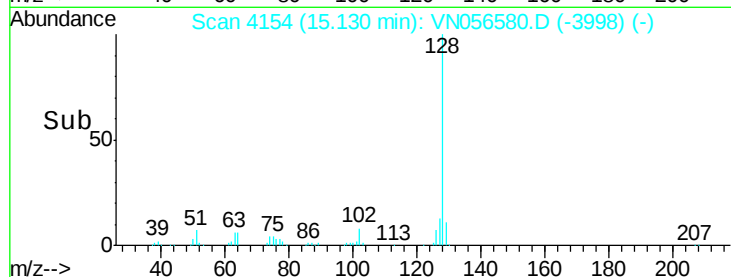
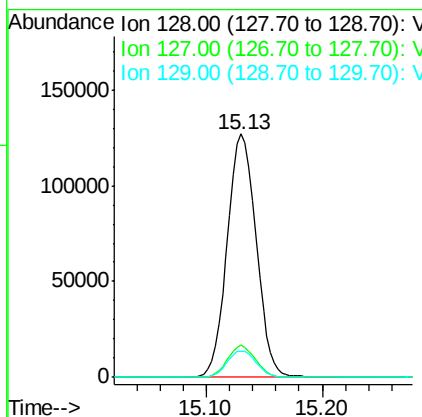
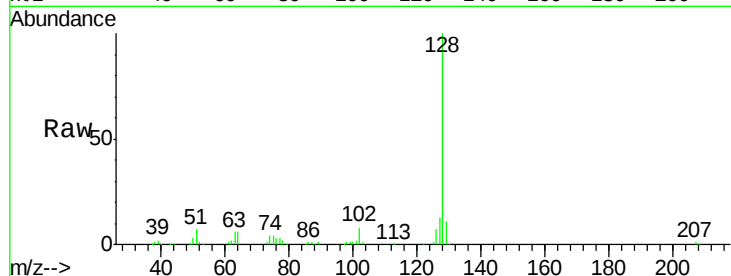
#91
Naphthalene
Concen: 22.505 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070319

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:05:05 AM



#92
1,2,3-Trichlorobenzene
Concen: 22.641 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056580.D
Acq: 3 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	0.0	193.4
145	30.3	0.0	59.8

