

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056239.D
 Acq On : 12 Jun 2019 10:47
 Operator : JC/SP
 Sample : VN0612WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0612WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:42:15 AM

Quant Time: Jun 13 04:55:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	50388	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	251085	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	221957	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	92419	29.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.47%
60) 4-Bromofluorobenzene	12.40	95	94957	28.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.20%
63) Toluene-d8	10.09	98	308763	30.67	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.23%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.85	85	59722	21.073	ug/l	98
3) Chloromethane	2.06	50	67336	20.336	ug/l	97
4) Vinyl Chloride	2.19	62	65169	19.303	ug/l	100
5) Bromomethane	2.55	94	43603	20.551	ug/l	98
6) Chloroethane	2.69	64	37706	19.746	ug/l	95
7) Trichlorofluoromethane	3.01	101	83201	19.918	ug/l	98
8) Diethyl Ether	3.40	74	31874	17.992	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	51551	19.993	ug/l	96
10) 1,1-Dichloroethene	3.72	96	50533	19.212	ug/l	99
11) Methyl Iodide	3.94	142	77946	18.783	ug/l	98
12) Methyl Acetate	4.33	43	59905	18.953	ug/l	98
13) Acrolein	3.60	56	15377	99.815	ug/l	98
14) Acrylonitrile	4.99	53	135750	96.310	ug/l	99
15) Acetone	3.82	58	42668	92.452	ug/l	97
16) Carbon Disulfide	4.04	76	122669	19.601	ug/l	100
17) Allyl chloride	4.31	41	78763	19.327	ug/l	96
18) Methylene Chloride	4.54	84	59899	19.671	ug/l	95
19) trans-1,2-Dichloroethene	5.03	96	53698	19.126	ug/l	97
20) Diisopropyl ether	5.95	45	164061	19.431	ug/l	98
21) 1,1-Dichloroethane	5.84	63	95656	19.494	ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	63363	19.336	ug/l	99
23) tert-Butyl Alcohol	4.81	59	39774	72.496	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	156479	18.668	ug/l	100
25) Chloroform	7.37	83	99443	20.295	ug/l	100
26) Cyclohexane	7.65	56	84749	18.616	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	71422	21.029	ug/l	99
30) 2-Butanone	6.84	43	183407	102.576	ug/l	99
31) 2,2-Dichloropropane	6.82	77	65162	20.624	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	80222	21.379	ug/l	98
33) Carbon Tetrachloride	7.77	117	70660	22.226	ug/l	98
34) Benzene	8.04	78	228307	21.097	ug/l	99
35) Methacrylonitrile	7.18	41	33140	21.949	ug/l	98
36) 1,2-Dichloroethane	8.12	62	74881	22.091	ug/l	98
37) Trichloroethene	8.83	130	63777	21.061	ug/l	99
38) Methylcyclohexane	9.08	83	86839	20.168	ug/l	99
39) 1,2-Dichloropropane	9.12	63	59423	21.440	ug/l	96
40) Dibromomethane	9.21	93	39584	21.541	ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	72649	22.078	ug/l	99
42) Vinyl Acetate	5.90	43	658941	103.371	ug/l	100
43) Ethyl Acetate	6.93	43	69357	20.268	ug/l	94
44) Isopropyl Acetate	8.17	43	104298	19.630	ug/l	98
45) 1,4-Dioxane	9.20	88	21158	372.260	ug/l	91
46) Methyl methacrylate	9.20	41	51346	19.453	ug/l	98
47) n-amyl Acetate	12.07	43	80673	18.360	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	66700	19.261	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	80219	19.783	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	57258	20.978	ug/l	97
51) Ethyl methacrylate	10.43	69	77671	18.809	ug/l	98
52) 1,3-Dichloropropane	10.71	76	90587	20.472	ug/l	97
53) Dibromochloromethane	10.90	129	59691	22.340	ug/l	99
54) 1,2-Dibromoethane	11.00	107	58539	20.553	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	118649	82.031	ug/l	99
56) Bromoform	12.13	173	42481	21.978	ug/l #	95
58) 4-Methyl-2-Pentanone	9.99	43	344780	102.583	ug/l	98
59) 2-Hexanone	10.75	43	242561	100.972	ug/l	98
61) Tetrachloroethene	10.63	164	66124	21.376	ug/l	99
62) Toluene	10.16	91	245170	20.461	ug/l	100
64) Chlorobenzene	11.43	112	149166	20.524	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	57214	21.831	ug/l	98
66) Ethyl Benzene	11.51	91	255484	20.019	ug/l	100
67) m/p-Xylenes	11.62	106	198071	40.548	ug/l	99
68) o-Xylene	11.95	106	95576	19.986	ug/l	100
69) Styrene	11.96	104	150781	19.406	ug/l	99
70) Isopropylbenzene	12.25	105	253892	20.320	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	78152	20.746	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	66274m	20.322	ug/l	
73) Bromobenzene	12.53	156	66342	20.004	ug/l	99
74) n-propylbenzene	12.59	91	259697	19.695	ug/l	100
75) 2-Chlorotoluene	12.67	91	163112	19.944	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	208343	20.271	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	16892	18.153	ug/l	96
78) 4-Chlorotoluene	12.77	91	144272	18.888	ug/l	100
79) tert-butylbenzene	12.99	119	186455	20.477	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	198146	19.818	ug/l	99
81) sec-Butylbenzene	13.17	105	233945	20.309	ug/l	100
82) p-Isopropyltoluene	13.29	119	204015	19.589	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	99318	19.216	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	87786	17.831	ug/l	99
85) n-Butylbenzene	13.61	91	132885	17.096	ug/l	98
86) Hexachloroethane	13.87	117	33796	20.815	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	101404	19.302	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11216	18.967	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	35179	18.101	ug/l	99
90) Hexachlorobutadiene	15.01	225	42813	22.323	ug/l	99
91) Naphthalene	15.13	128	89040	12.761	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	42750	15.545	ug/l	99

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QLast Update : Thu Jun 06 04:02:53 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

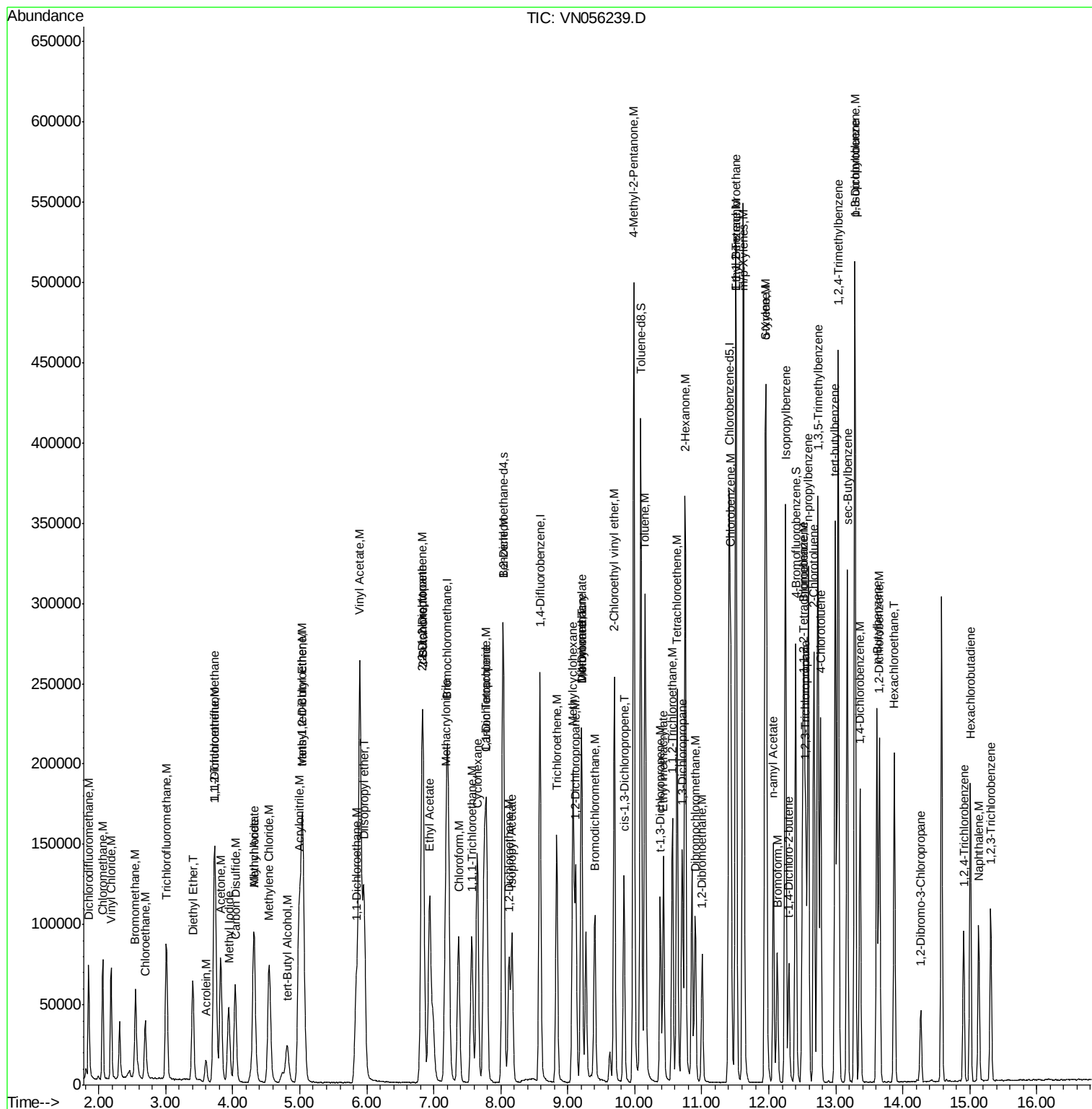
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
Data File : VN056239.D
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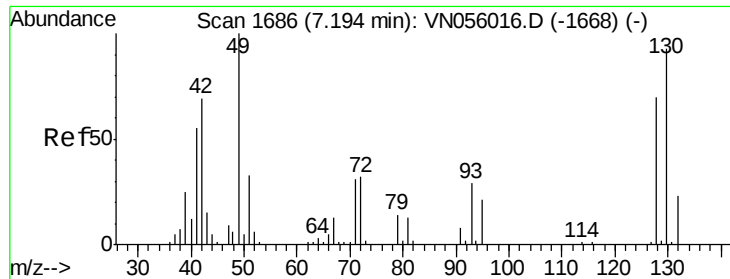
Instrument :
MSVOA_N
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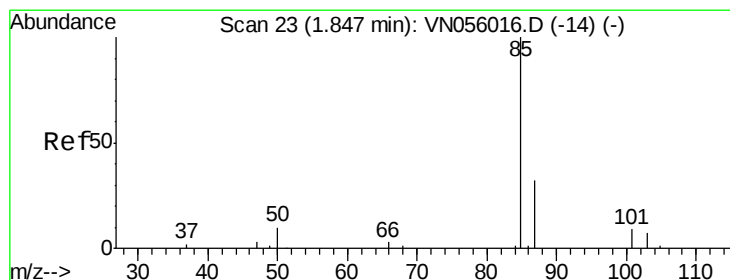
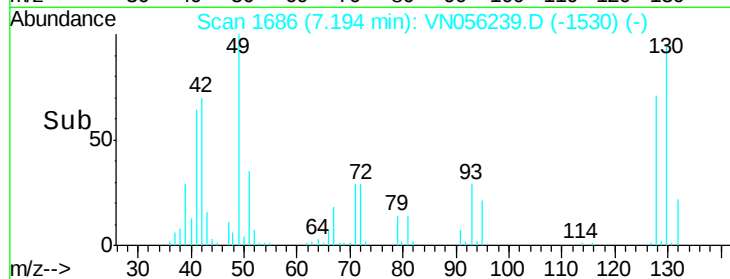
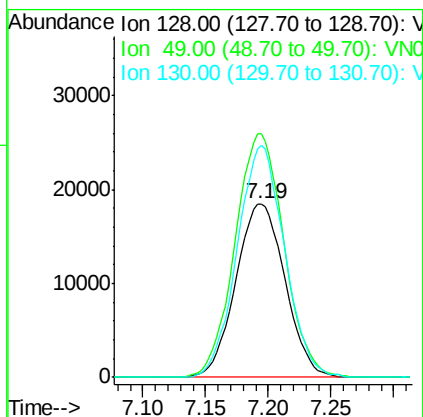
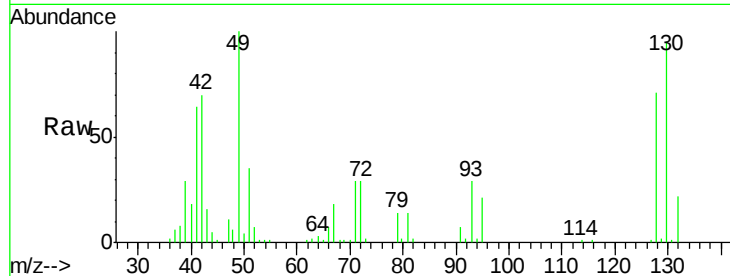
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	139.7	0.0	355.8
130	128.7	0.0	326.3

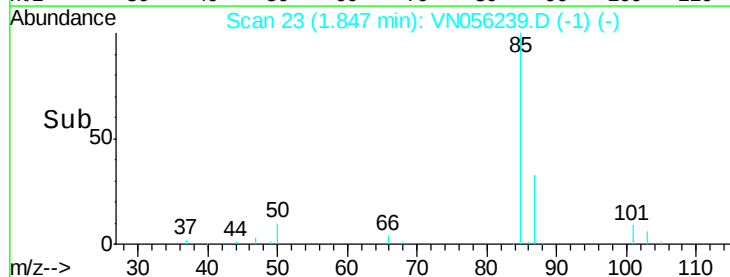
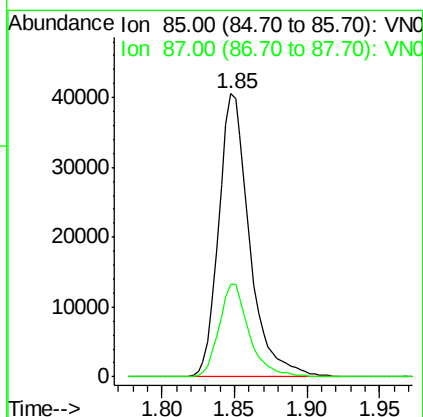
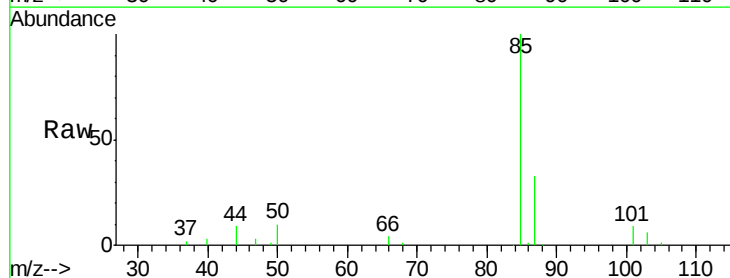
Manual Integrations
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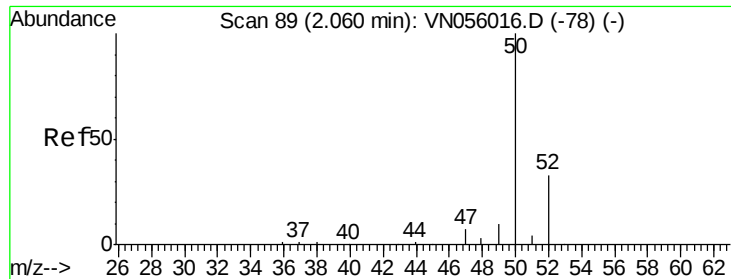
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#2
 Dichlorodifluoromethane
 Concen: 21.073 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.9	47.7





#3

Chloromethane

Concen: 20.336 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

Tot Ion: 50 Resp: 67336

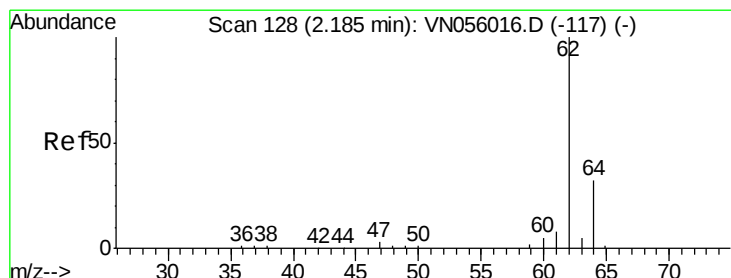
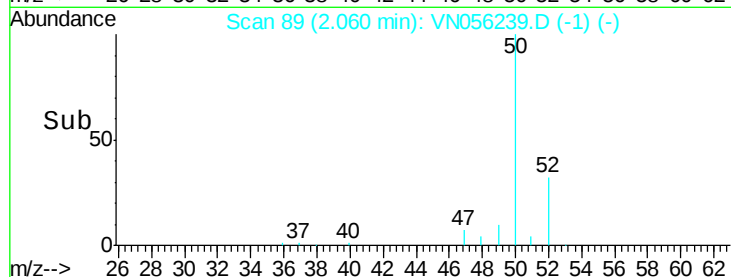
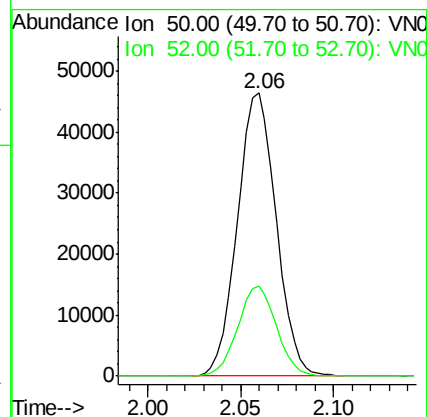
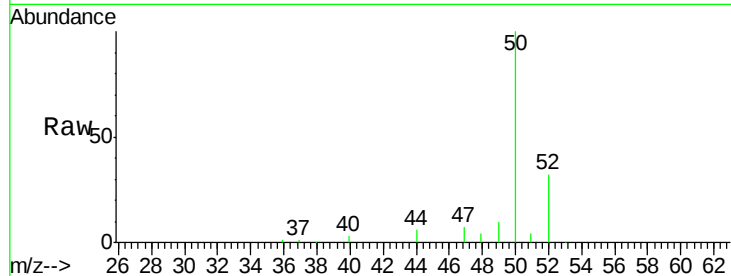
Ion Ratio Lower Upper

50 100

52 32.0 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.303 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056239.D

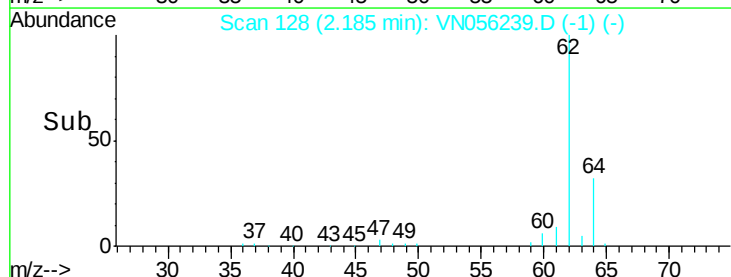
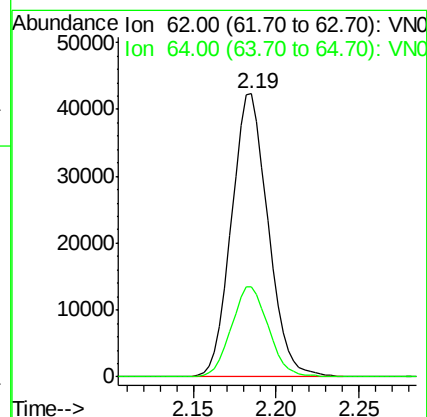
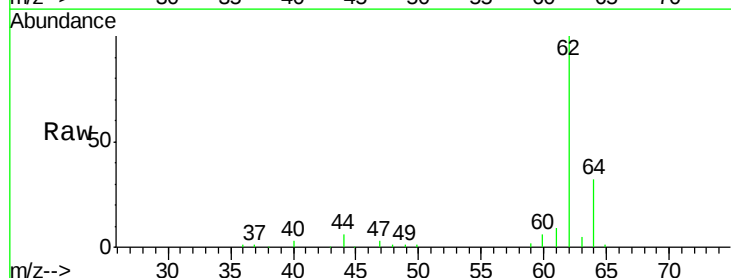
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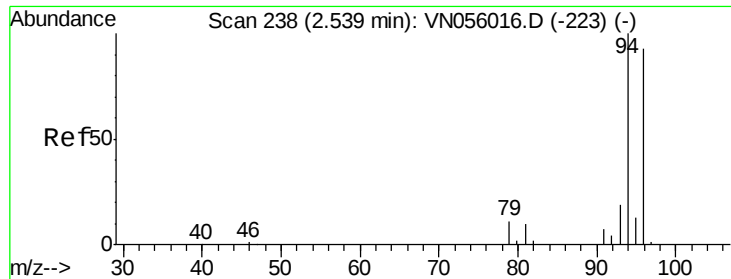
Tgt Ion: 62 Resp: 65169

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 20.551 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

Tot Ion: 94 Resp: 43603

Ion Ratio Lower Upper

94 100

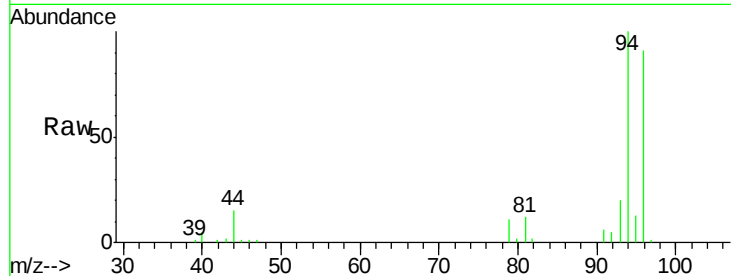
96 90.8 74.1 111.1

Manual Integrations

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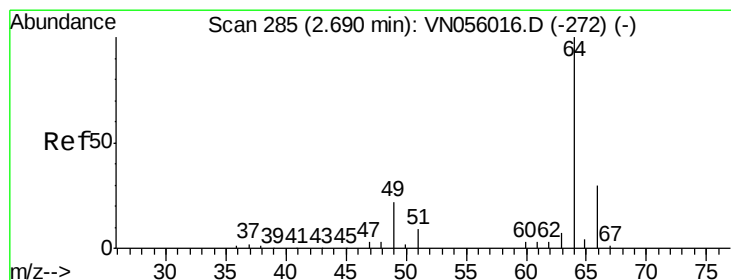
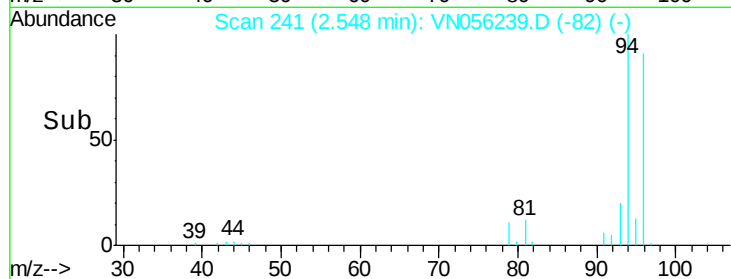
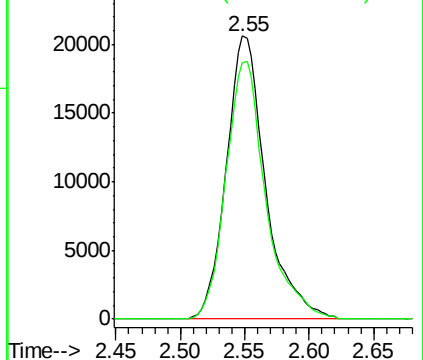
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.746 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056239.D

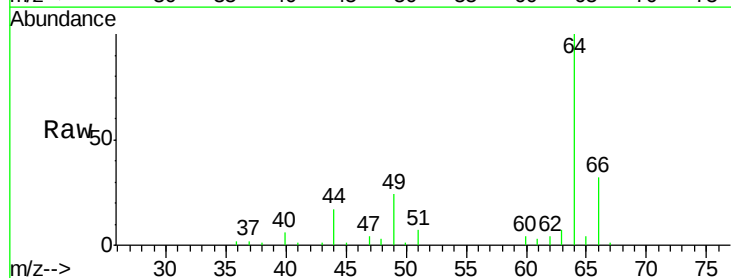
Acq: 12 Jun 2019 10:47

Tgt Ion: 64 Resp: 37706

Ion Ratio Lower Upper

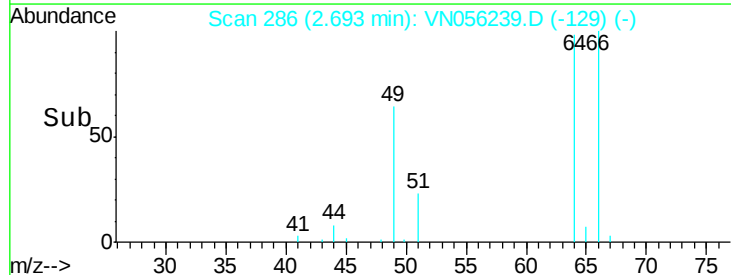
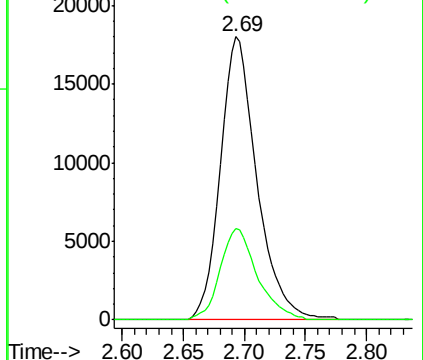
64 100

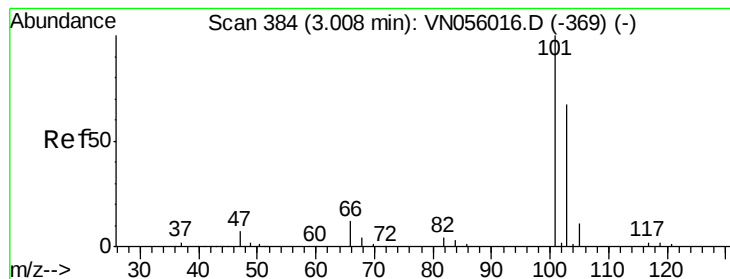
66 32.4 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

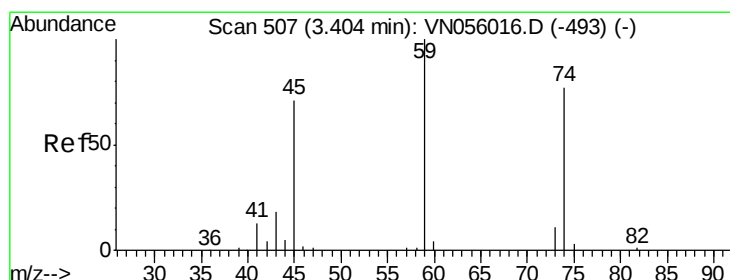
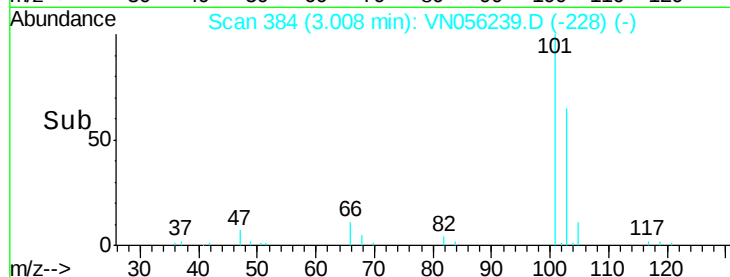
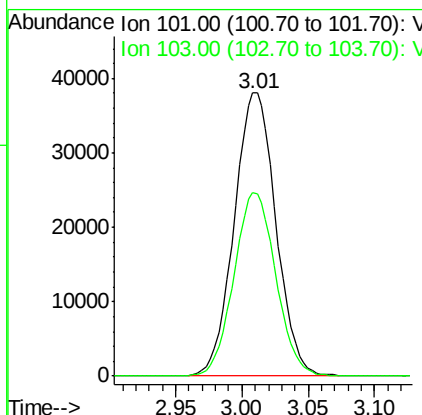
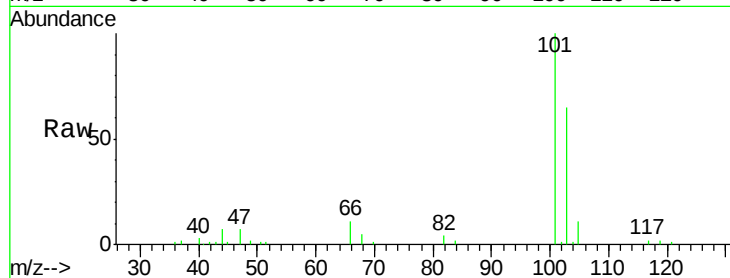
Trichlorofluoromethane
Concen: 19.918 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
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VN0612WBS01

Tot Ion:101 Resp: 83201
Ion Ratio Lower Upper
101 100
103 64.8 53.4 80.0

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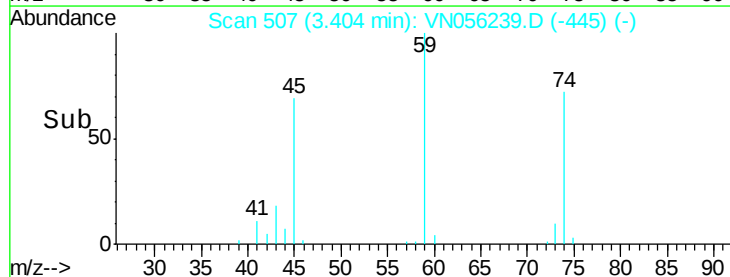
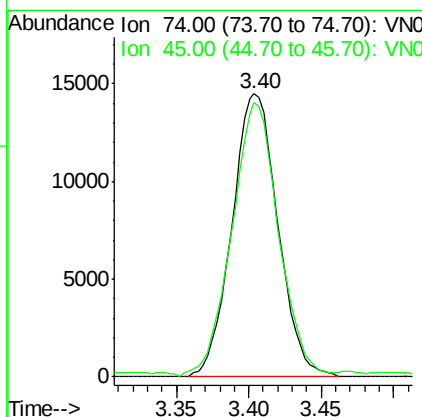
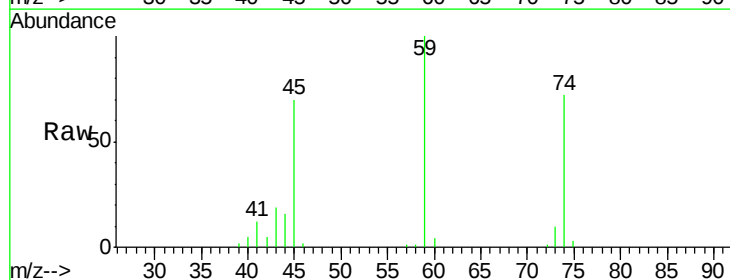
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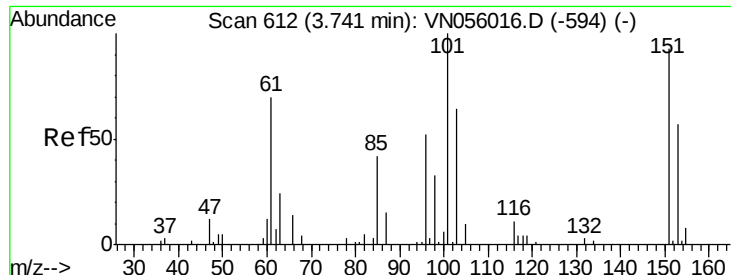


#8

Diethyl Ether
Concen: 17.992 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 74 Resp: 31874
Ion Ratio Lower Upper
74 100
45 99.1 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.993 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

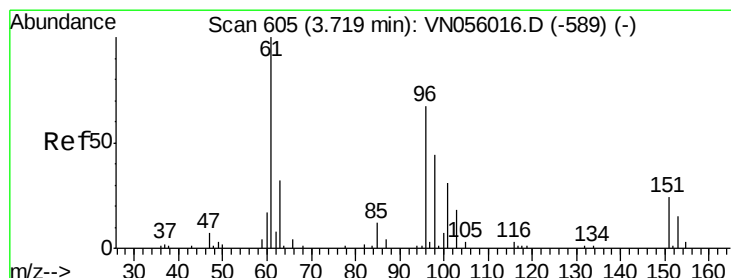
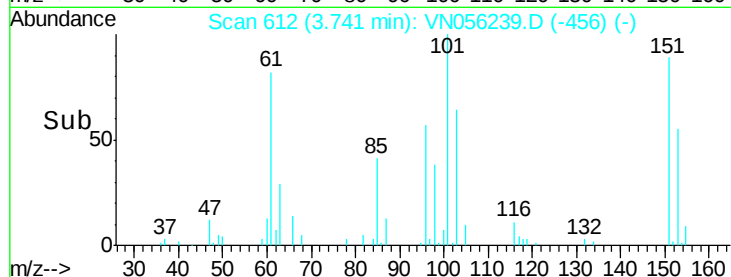
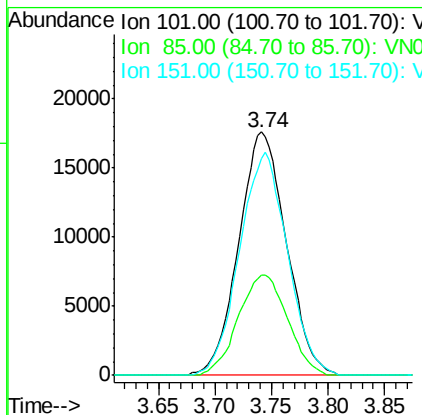
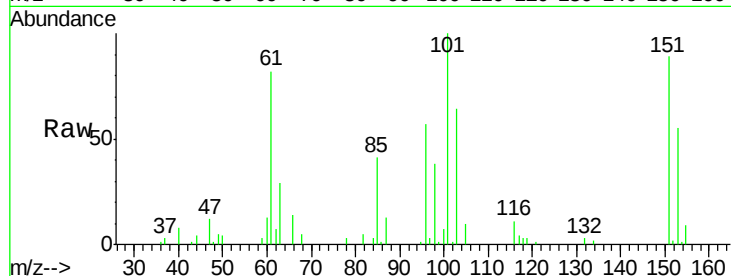
ClientSampleId :

VN0612WBS01

Tot Ion:	101	Resp:	51551
Ion Ratio	Lower	Upper	
101	100		
85	42.6	0.0	82.0
151	92.2	0.0	177.0

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#10

1,1-Dichloroethene

Concen: 19.212 ug/l

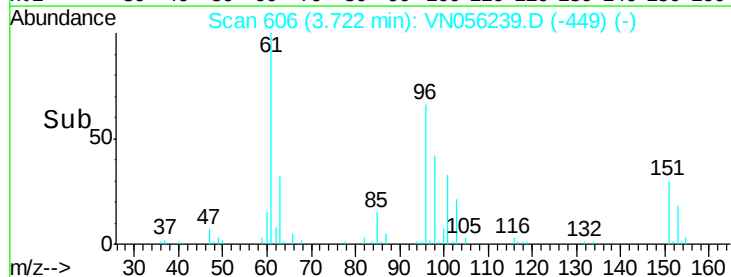
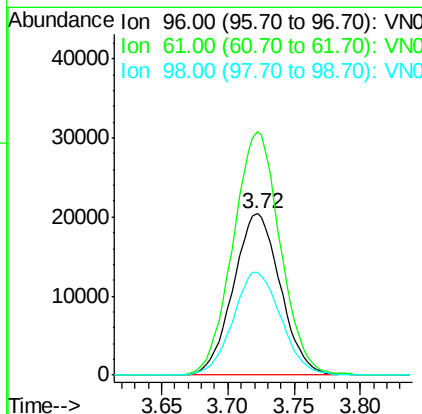
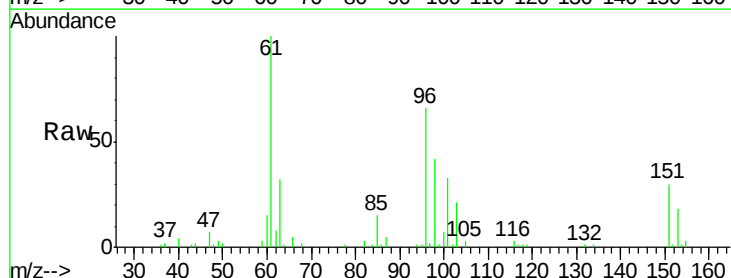
RT: 3.72 min Scan# 606

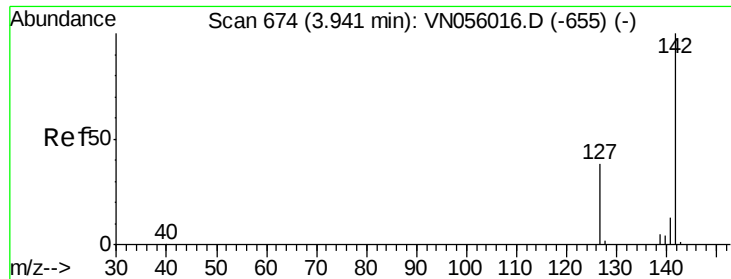
Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Tgt Ion:	96	Resp:	50533
Ion Ratio	Lower	Upper	
96	100		
61	150.2	119.7	179.5
98	63.9	52.3	78.5





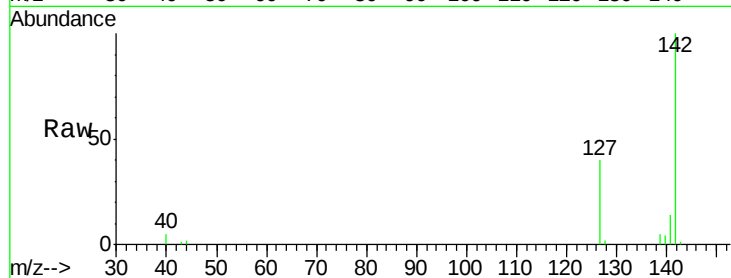
#11
Methvl Iodide
Concen: 18.783 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

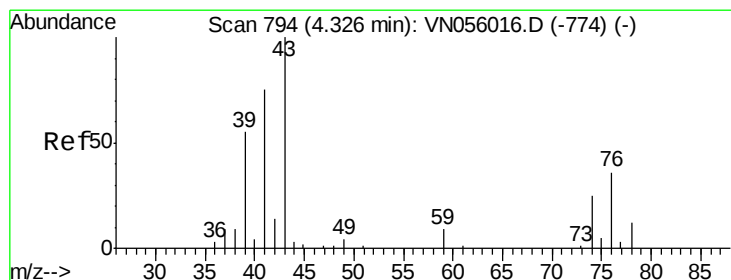
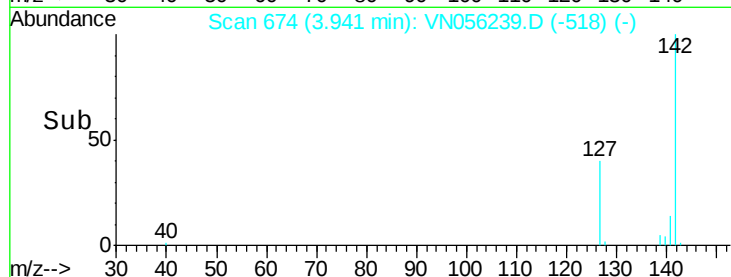
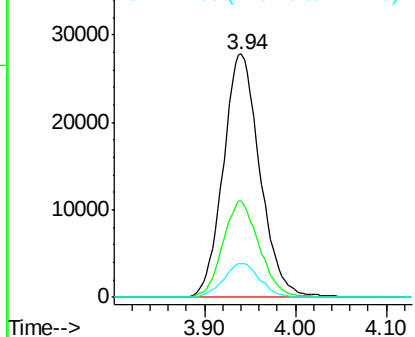
Tot Ion:142 Resp: 77946
Ion Ratio Lower Upper
142 100
127 39.7 19.0 57.0
141 13.9 6.7 20.0

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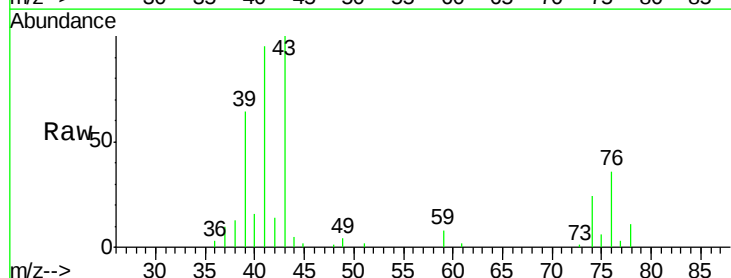


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

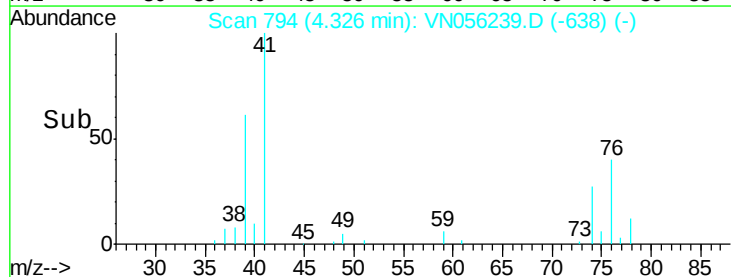
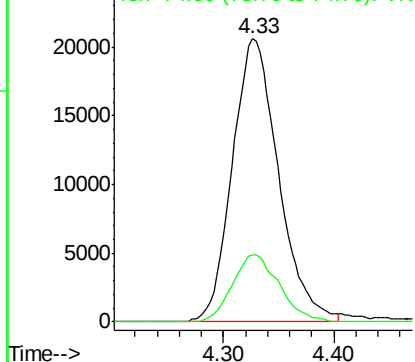


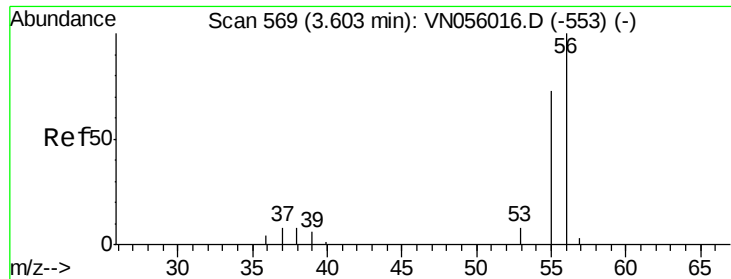
#12
Methyl Acetate
Concen: 18.953 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 43 Resp: 59905
Ion Ratio Lower Upper
43 100
74 24.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 99.815 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

Tot Ion: 56 Resp: 15377

Ion Ratio Lower Upper

56 100

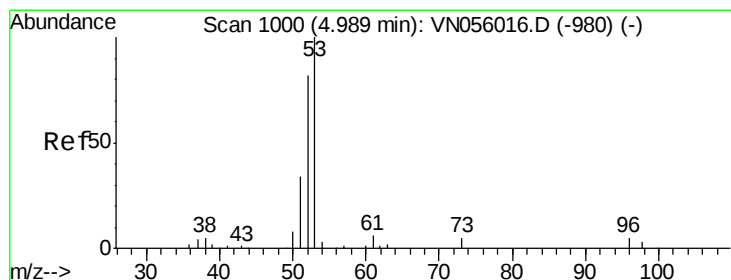
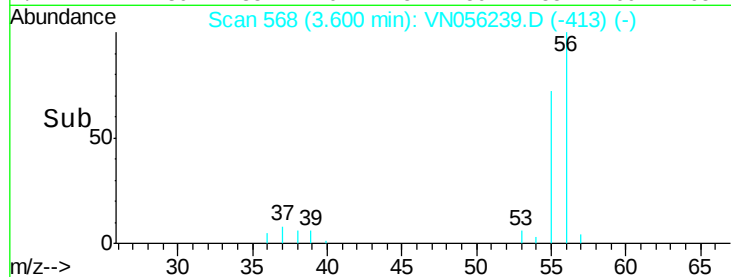
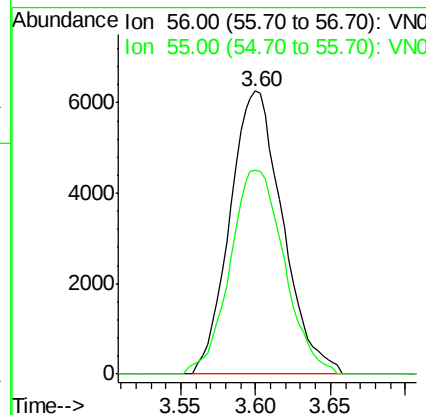
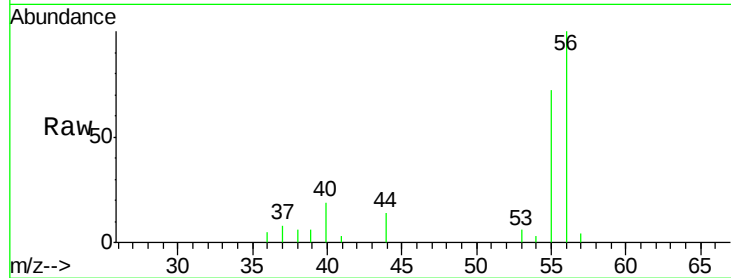
55 74.0 57.9 86.9

Manual Integrations

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#14

Acrylonitrile

Concen: 96.310 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

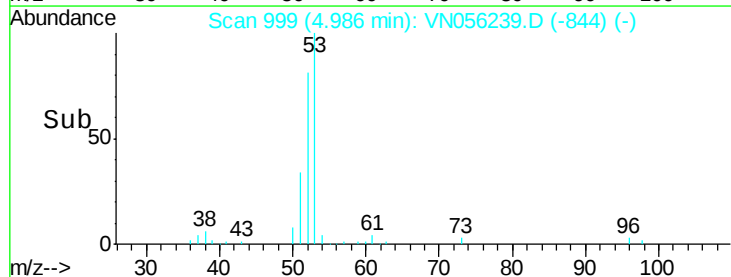
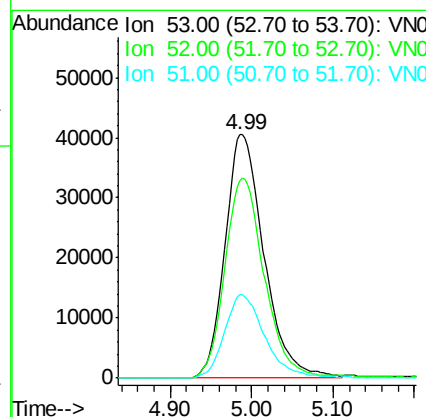
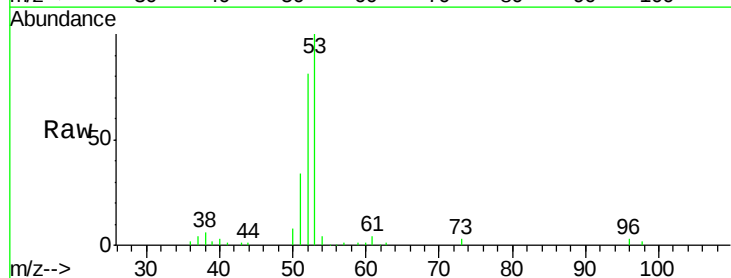
Tgt Ion: 53 Resp: 135750

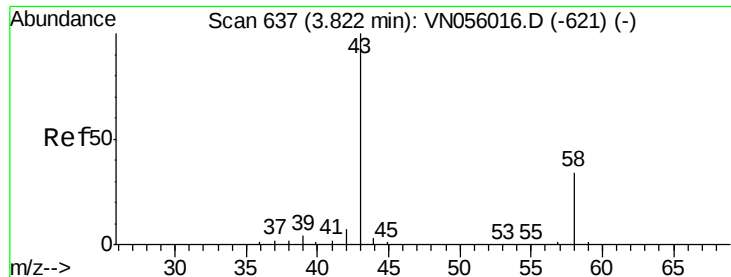
Ion Ratio Lower Upper

53 100

52 83.2 40.8 122.2

51 34.9 17.3 52.0





#15

Acetone

Concen: 92.452 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

Tot Ion: 58 Resp: 42668

Ion Ratio Lower Upper

58 100

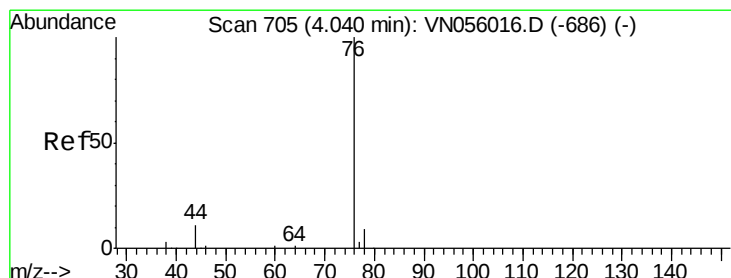
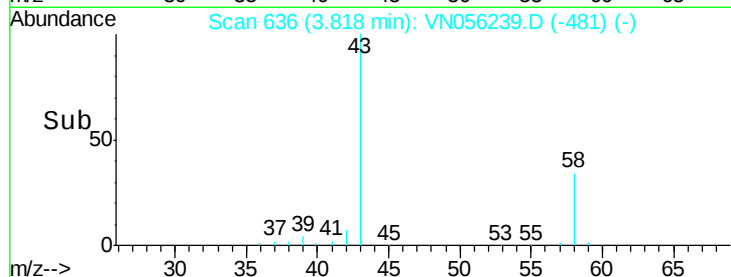
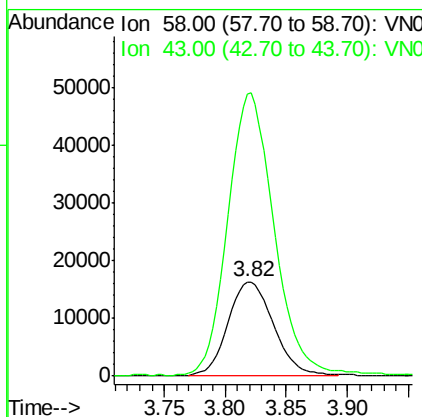
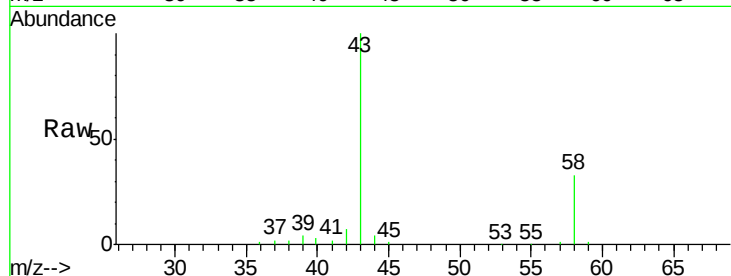
43 296.8 232.5 348.7

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.601 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056239.D

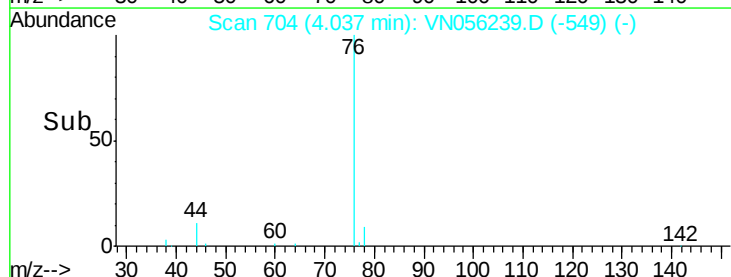
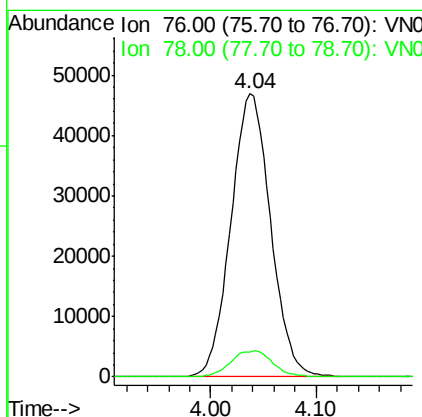
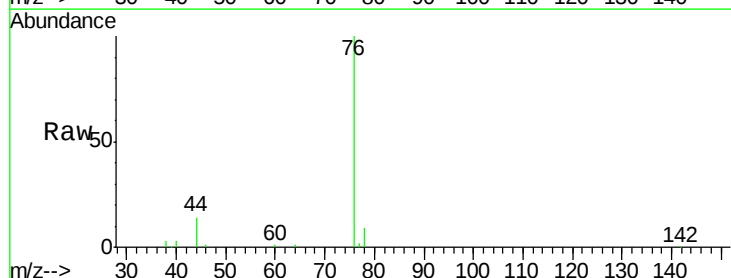
Acq: 12 Jun 2019 10:47

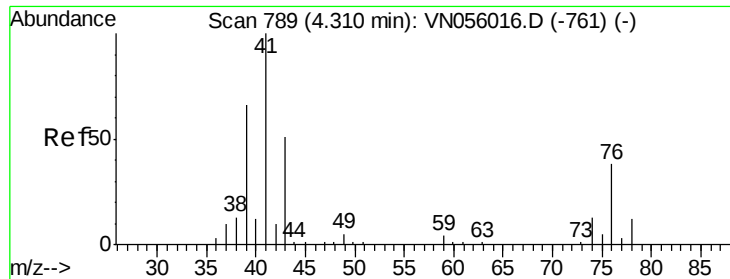
Tgt Ion: 76 Resp: 122669

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#17

Allvl chloride

Concen: 19.327 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

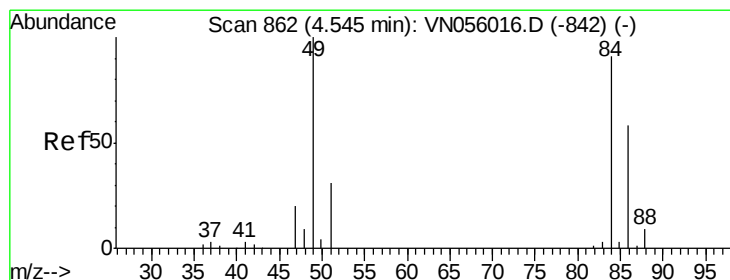
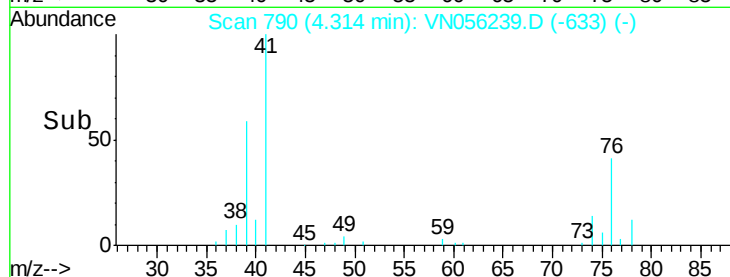
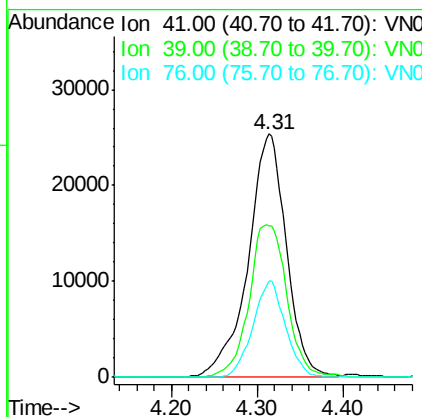
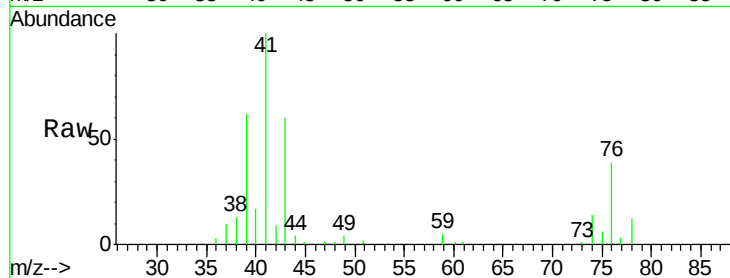
ClientSampleId :

VN0612WBS01

Tot Ion:	41	Resp:	78763
Ion	Ratio	Lower	Upper
41	100		
39	62.4	33.0	99.0
76	39.4	18.9	56.9

Manual Integrations
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#18

Methylene Chloride

Concen: 19.671 ug/l

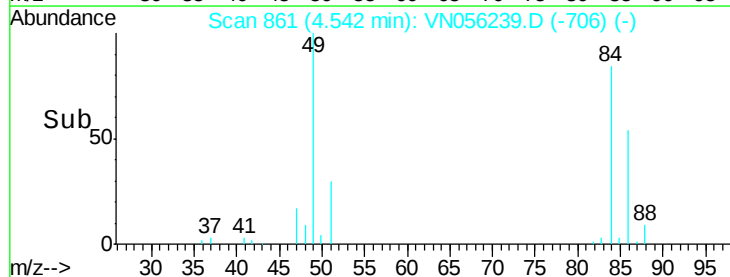
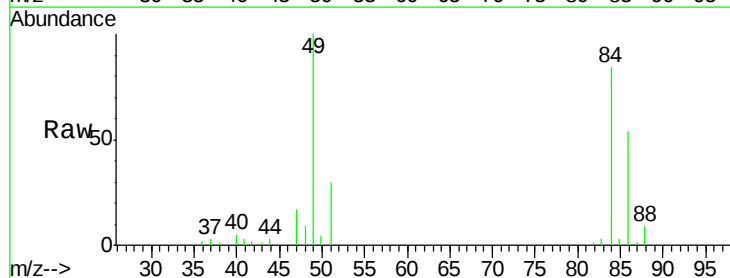
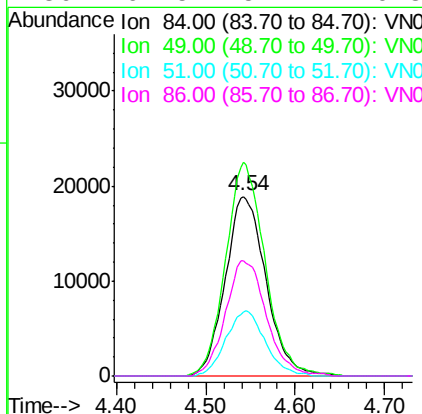
RT: 4.54 min Scan# 861

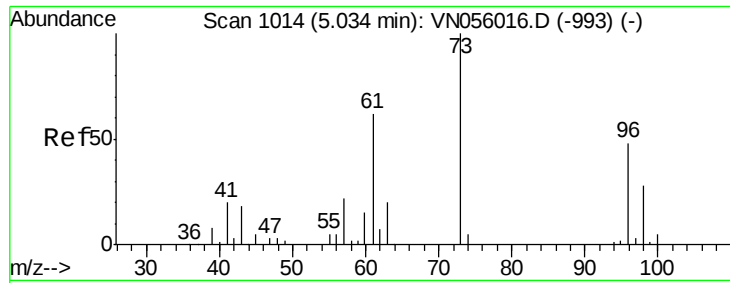
Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Tgt Ion:	84	Resp:	59899
Ion	Ratio	Lower	Upper
84	100		
49	118.3	87.6	131.4
51	35.7	27.0	40.4
86	64.5	51.2	76.8





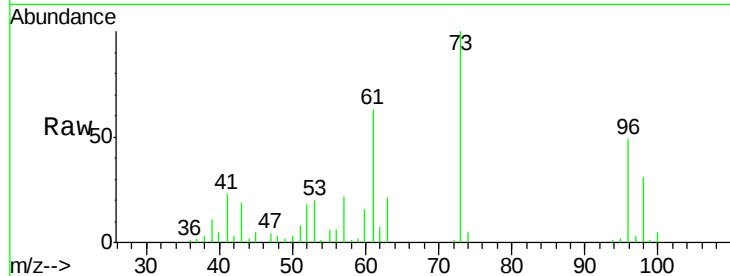
#19
trans-1,2-Dichloroethene
Concen: 19.126 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	102.5	153.7
98	64.0	46.9	70.3

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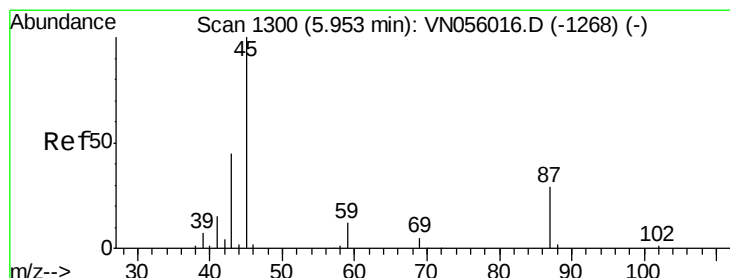
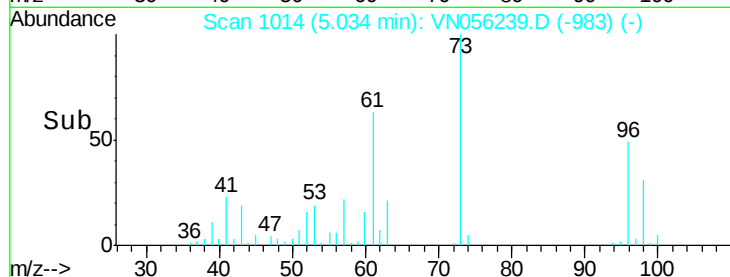
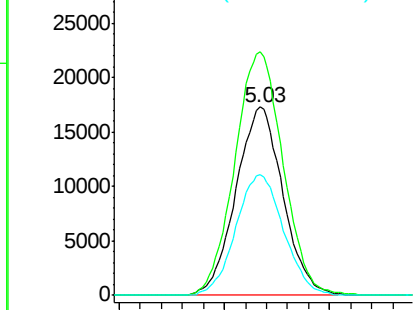


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.431 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.0	72.0
87	30.4	23.4	35.2
59	12.4	9.2	13.8

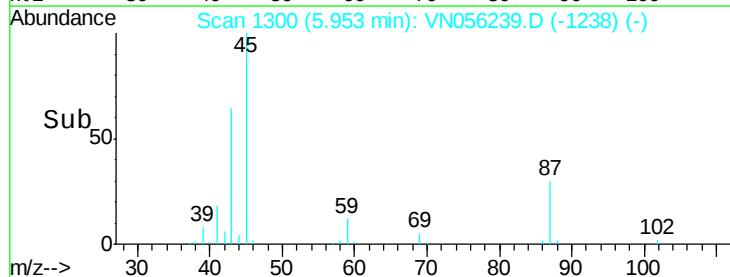
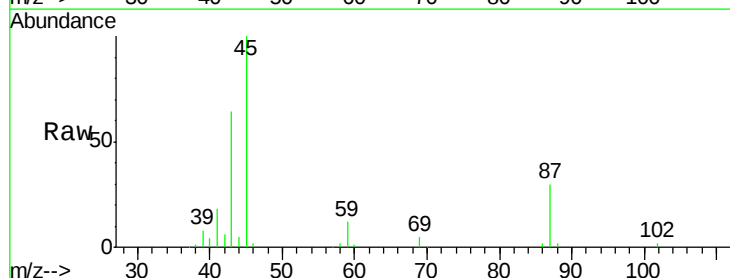
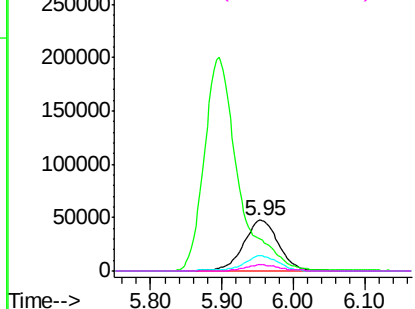
Abundance

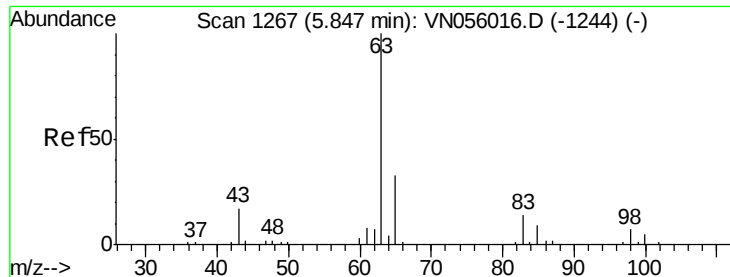
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 19.494 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

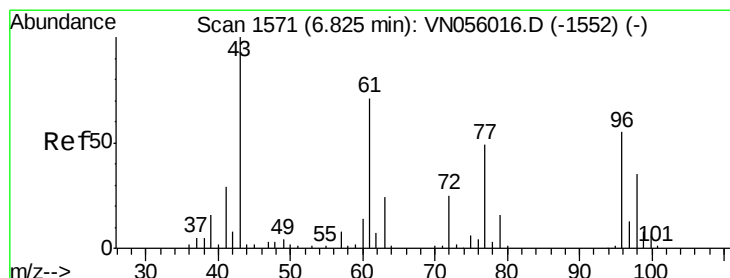
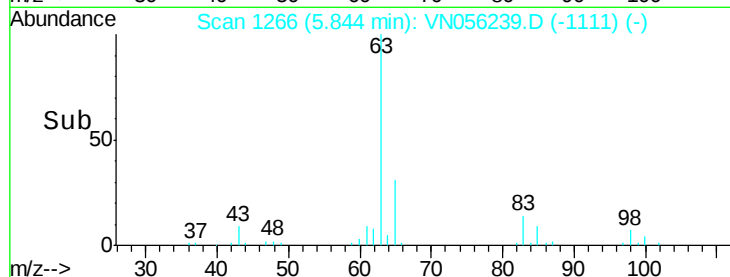
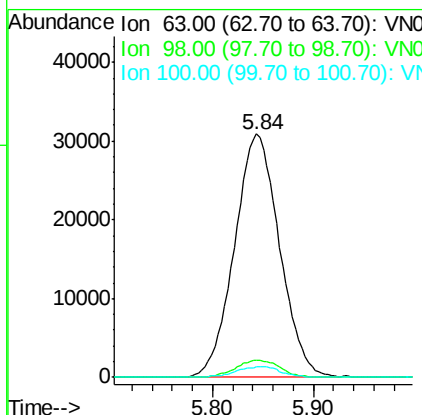
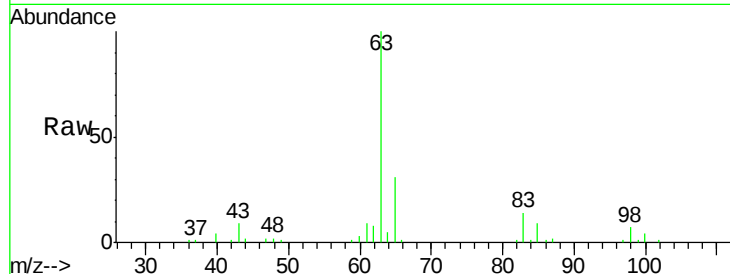
ClientSampleId :

VN0612WBS01

Tot Ion:	63	Resp:	95656
Ion Ratio	Lower	Upper	
63	100		
98	7.1	3.5	10.5
100	4.2	2.3	6.9

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#22

cis-1,2-Dichloroethene

Concen: 19.336 ug/l

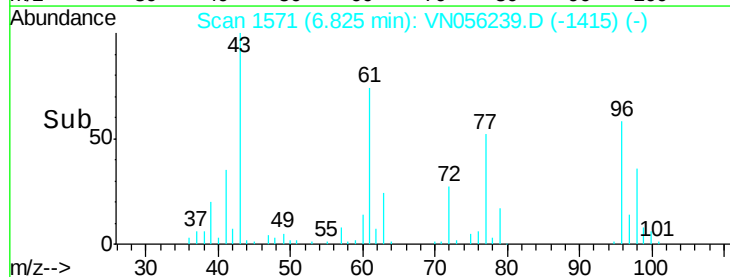
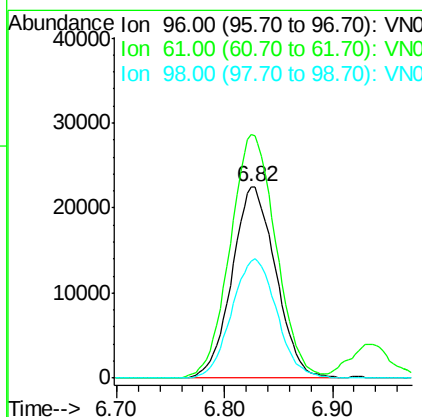
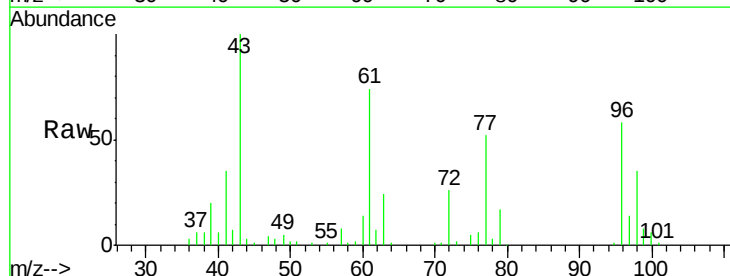
RT: 6.82 min Scan# 1571

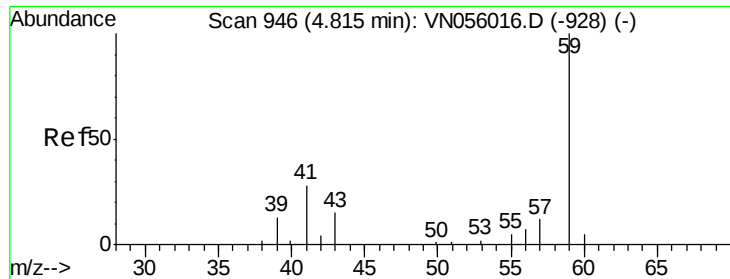
Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Tgt Ion:	96	Resp:	63363
Ion Ratio	Lower	Upper	
96	100		
61	133.1	105.7	158.5
98	63.9	52.0	78.0





#23

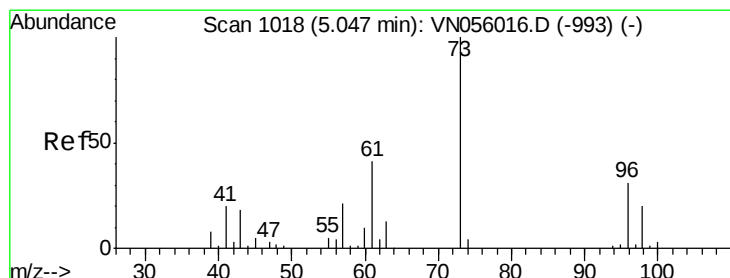
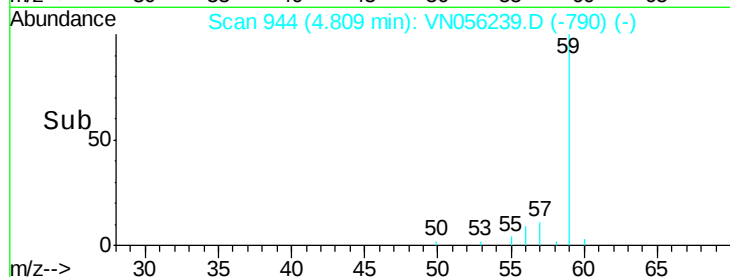
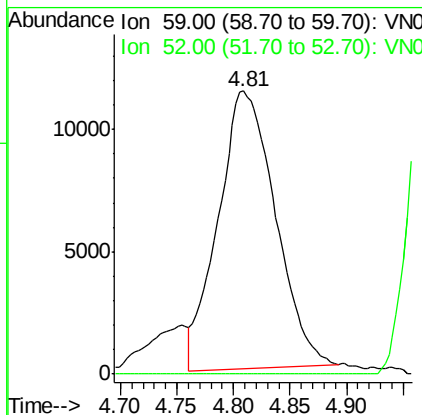
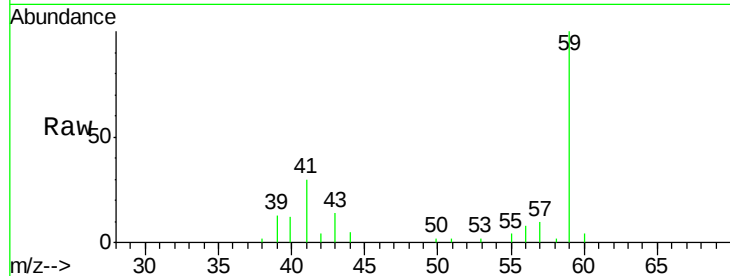
tert-Butyl Alcohol
 Concen: 72.496 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	59	52	Ratio	100	0.0	Resp	39774	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	39774	Lower	Upper

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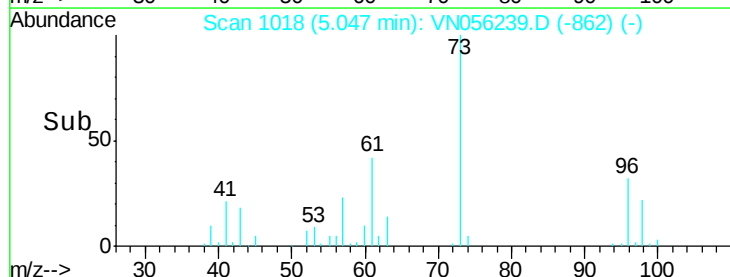
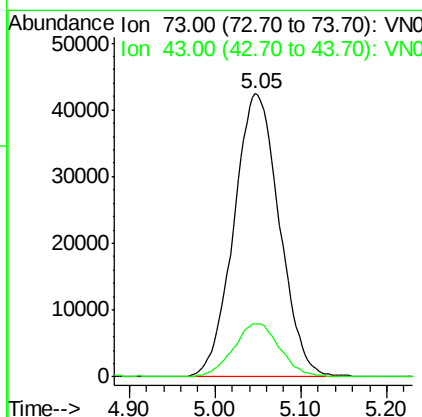
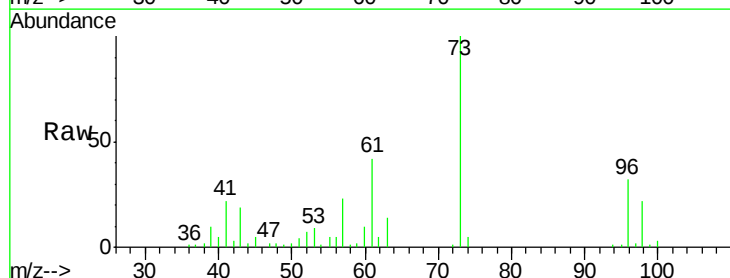
MMDadoda
 6/13/2019 9:42:15 AM

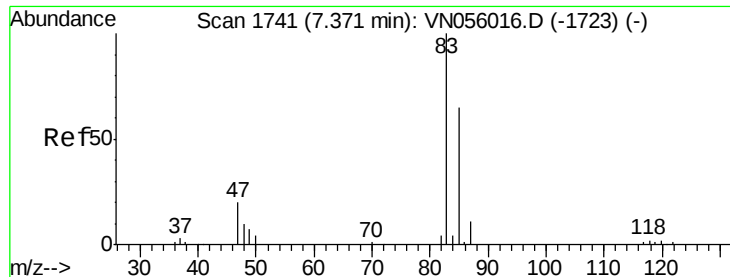


#24

Methyl tert-Butyl Ether
 Concen: 18.668 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	73	43	Ratio	100	19.1	Resp	156479	Lower	Upper
Ion	73	43	Ratio	100	19.1	Resp	156479	Lower	Upper





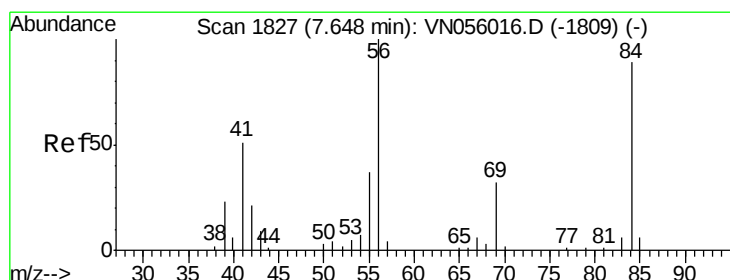
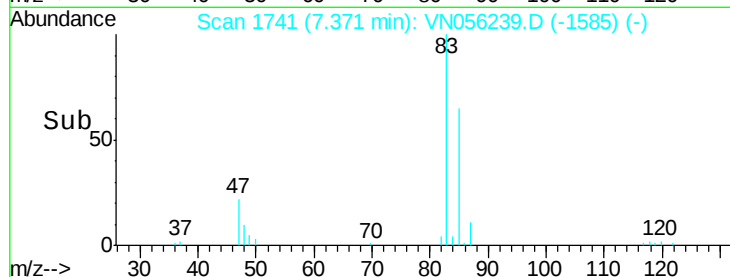
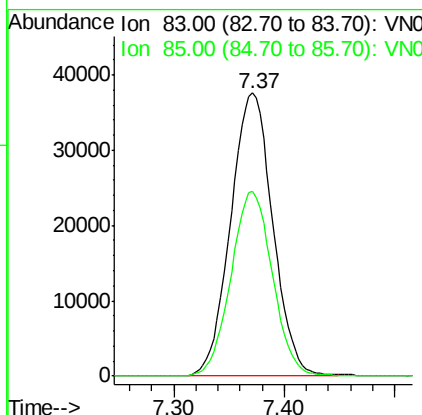
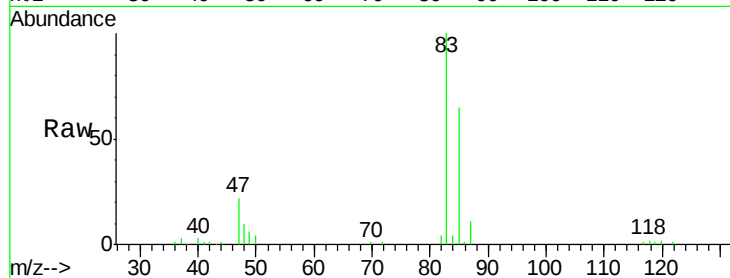
#25
Chloroform
Concen: 20.295 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion: 83 Resp: 99443
Ion Ratio Lower Upper
83 100
85 65.1 52.0 78.0

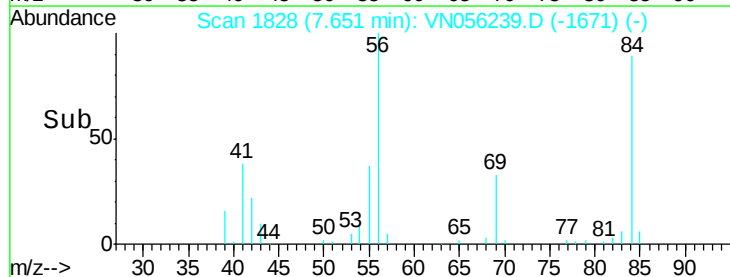
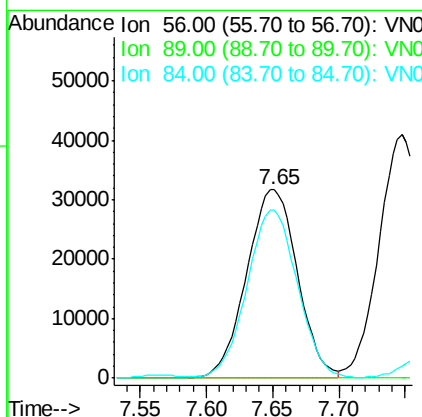
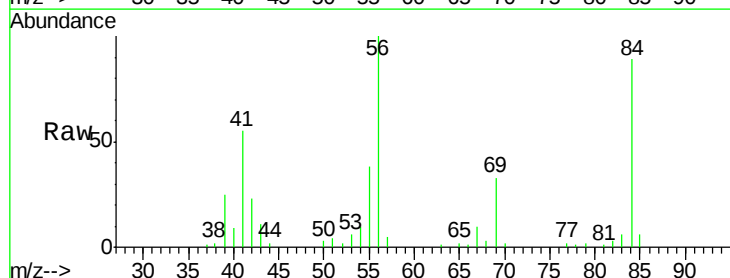
Manual Integrations
APPROVED

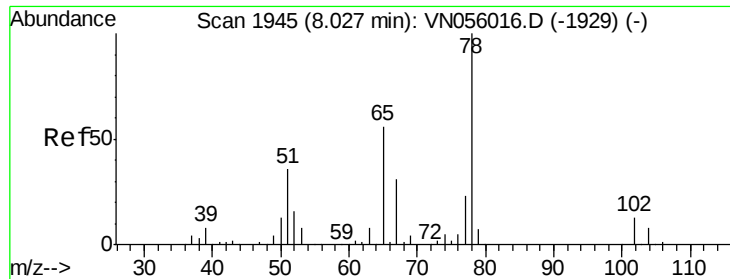
MMDadoda
6/13/2019 9:42:15 AM



#26
Cyclohexane
Concen: 18.616 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 56 Resp: 84749
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.8 70.1 105.1





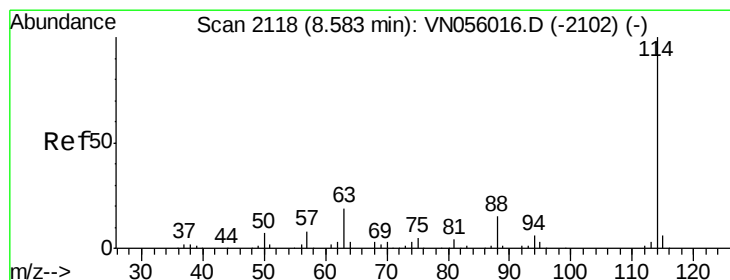
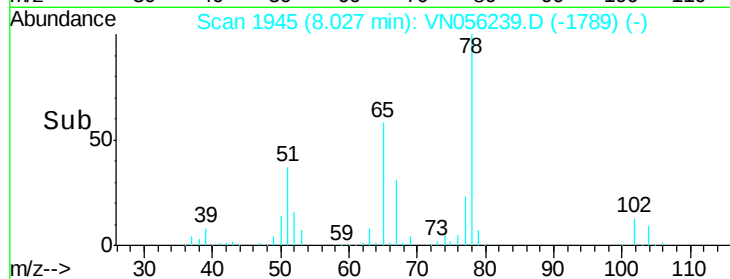
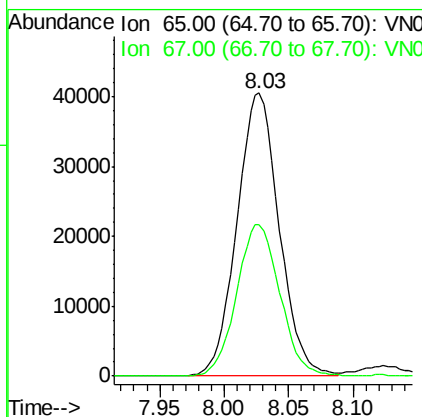
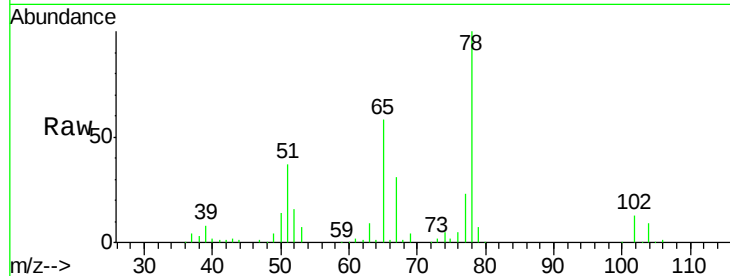
#27
 1,2-Dichloroethane-d4
 Concen: 29.536 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	43.4	65.2

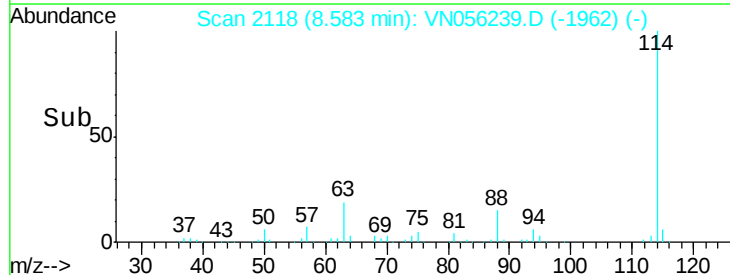
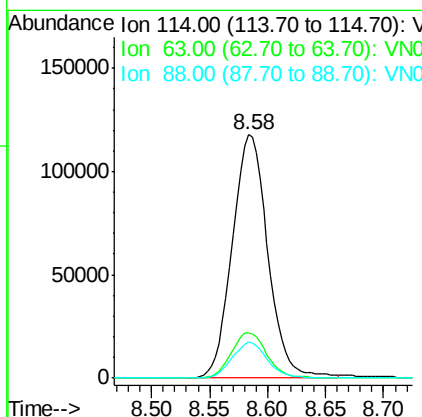
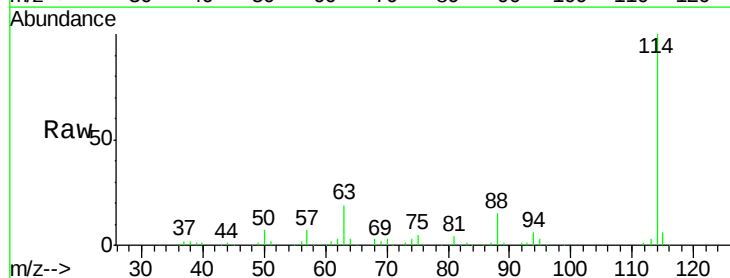
Manual Integrations
 APPROVED

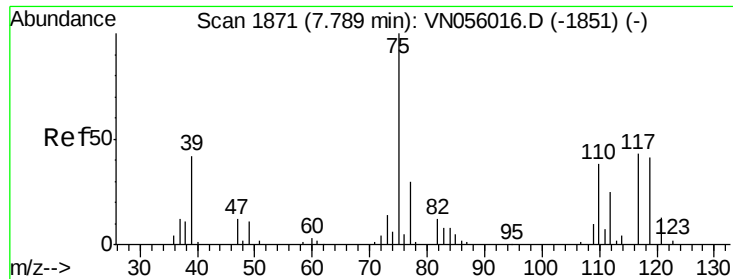
MMDadoda
 6/13/2019 9:42:15 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	14.7	22.1
88	14.4	11.9	17.9





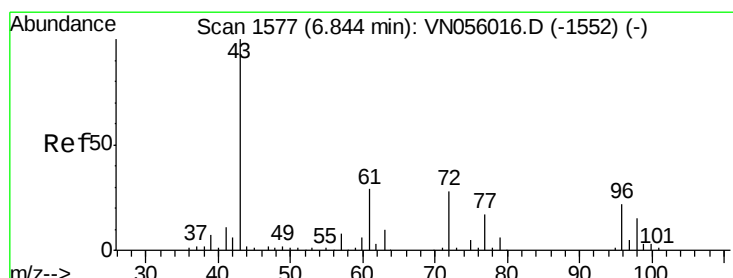
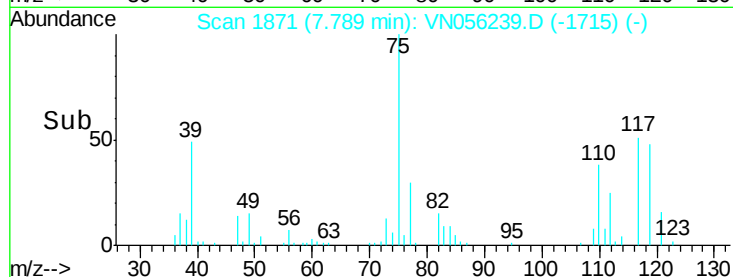
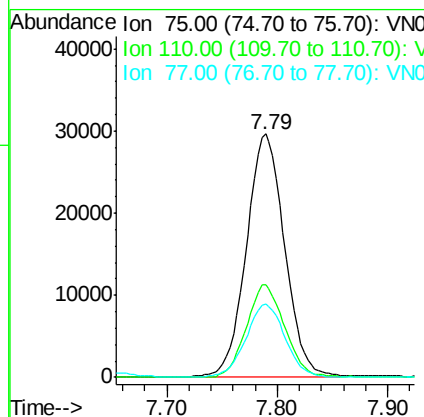
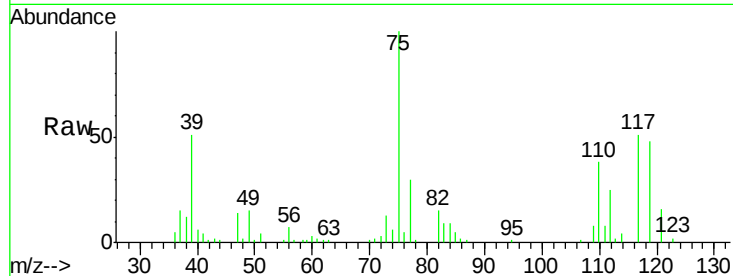
#29
 1,1-Dichloropropene
 Concen: 21.029 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.9	0.0	77.0
77	30.7	0.0	62.4

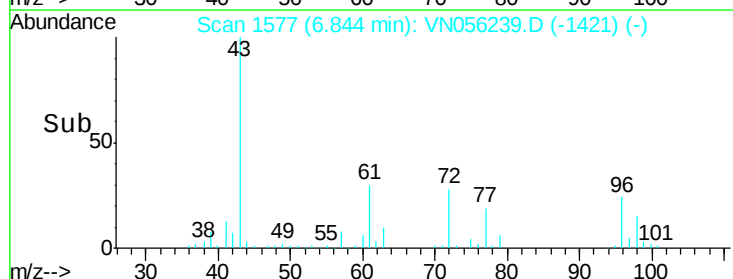
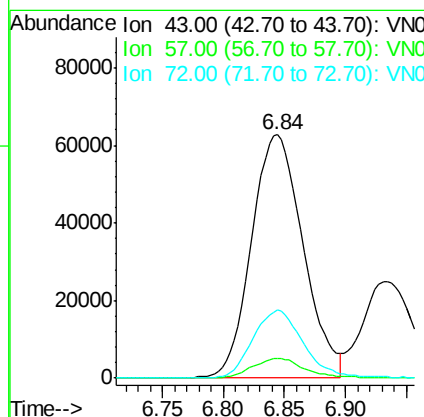
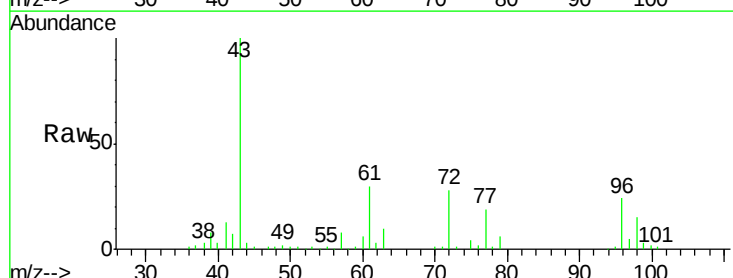
Manual Integrations
 APPROVED

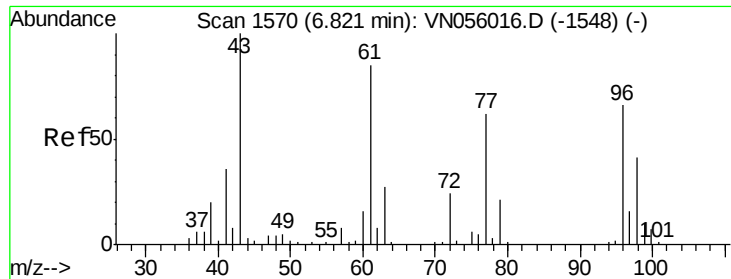
MMDadoda
 6/13/2019 9:42:15 AM



#30
 2-Butanone
 Concen: 102.576 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.7	10.1
72	27.6	22.4	33.6





#31

2,2-Dichloropropane

Concen: 20.624 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

Tot Ion: 77 Resp: 65162

Ion Ratio Lower Upper

77 100

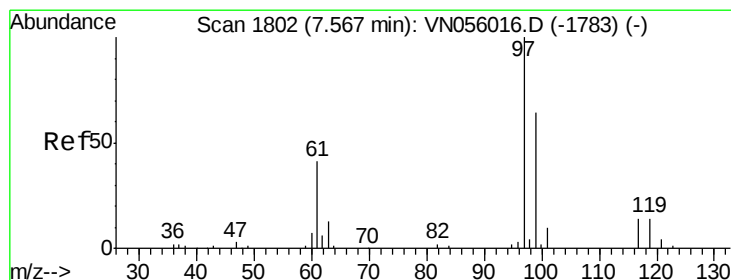
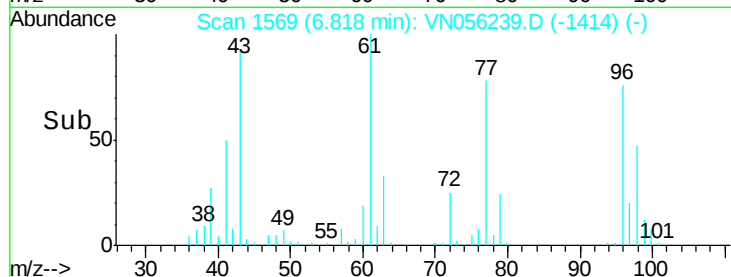
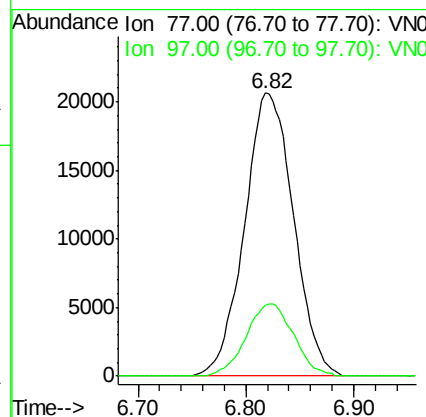
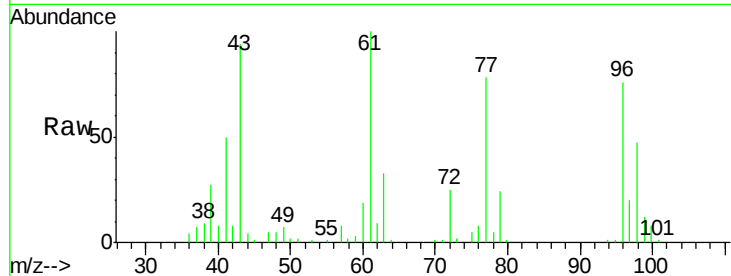
97 24.8 20.8 31.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.379 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

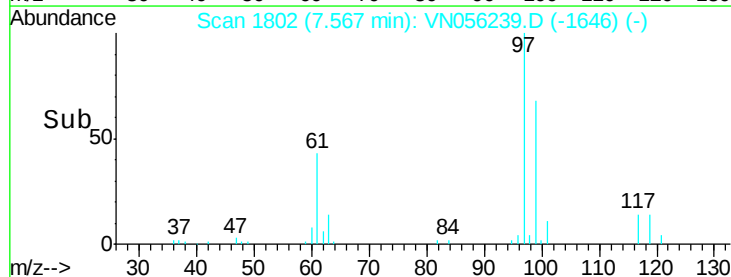
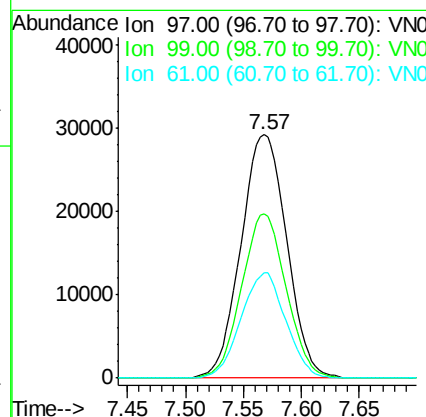
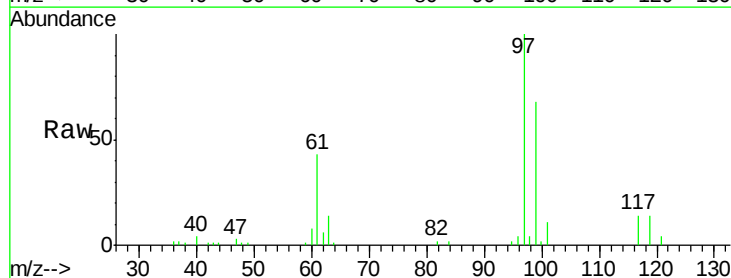
Tgt Ion: 97 Resp: 80222

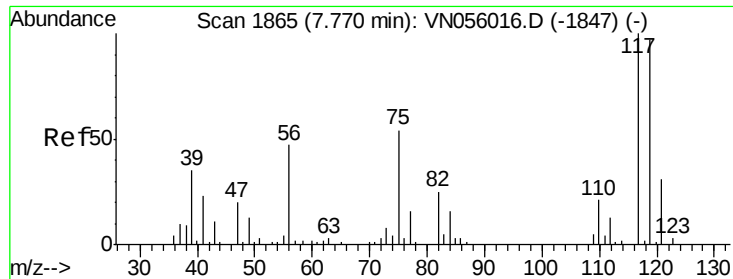
Ion Ratio Lower Upper

97 100

99 65.6 51.5 77.3

61 42.2 32.9 49.3





#33

Carbon Tetrachloride

Concen: 22.226 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

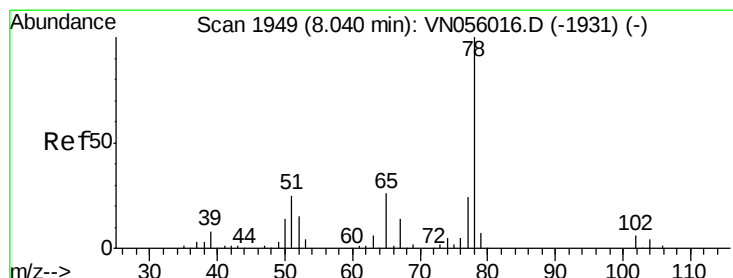
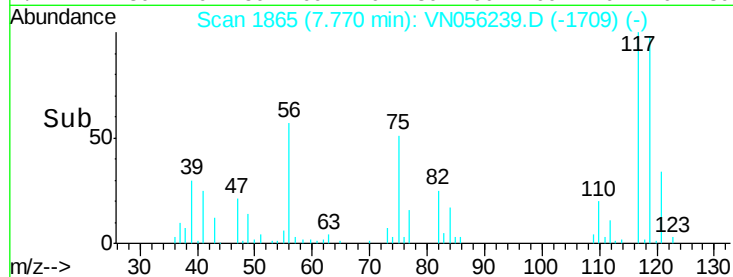
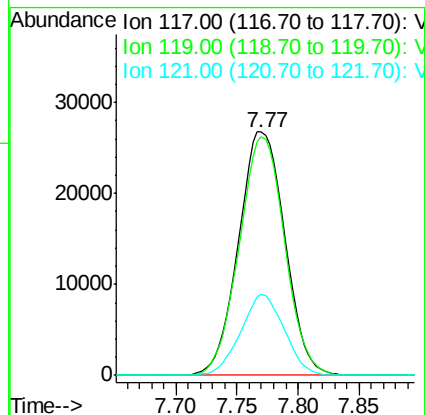
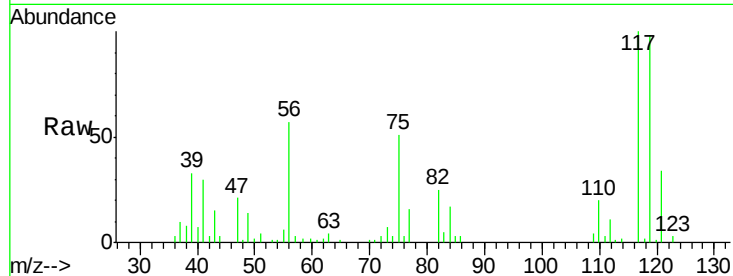
ClientSampleId :

VN0612WBS01

Tot Ion:	117	Resp:	70660
Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.3	115.9
121	33.5	25.0	37.4

Manual Integrations
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#34

Benzene

Concen: 21.097 ug/l

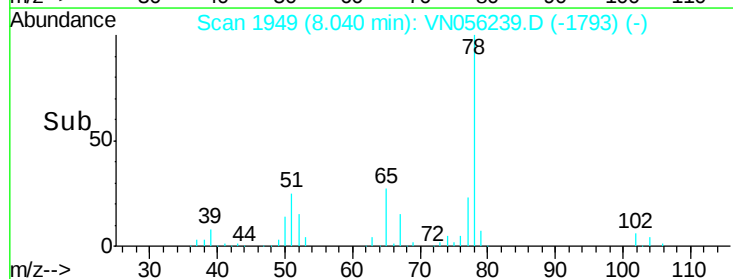
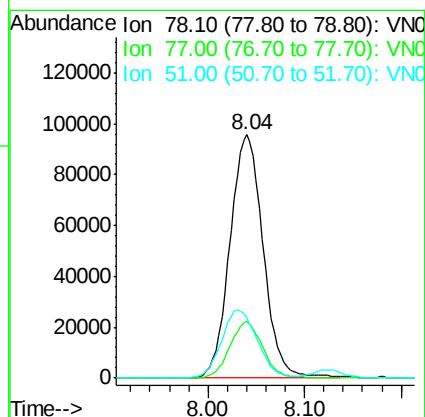
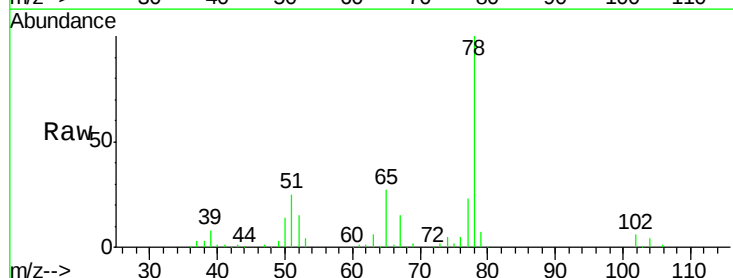
RT: 8.04 min Scan# 1949

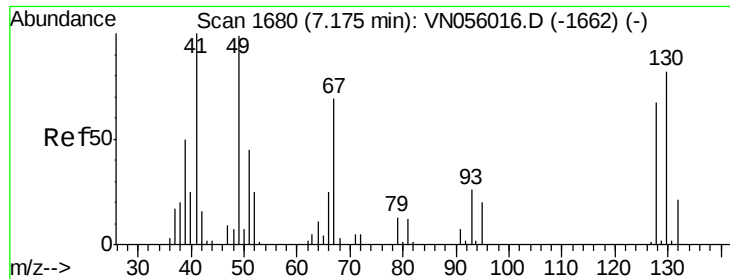
Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Tgt Ion:	78	Resp:	228307
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.3	28.9
51	24.7	19.8	29.8





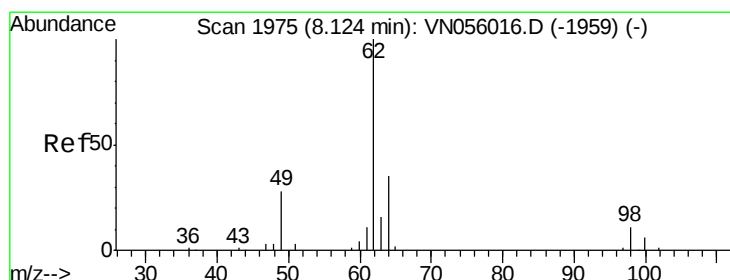
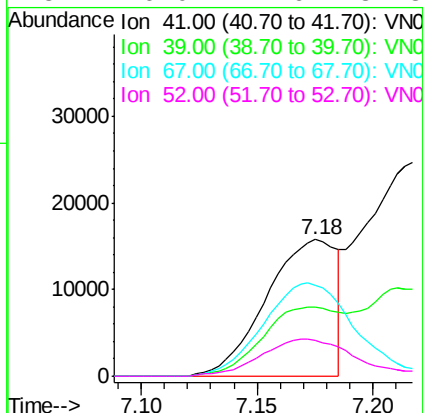
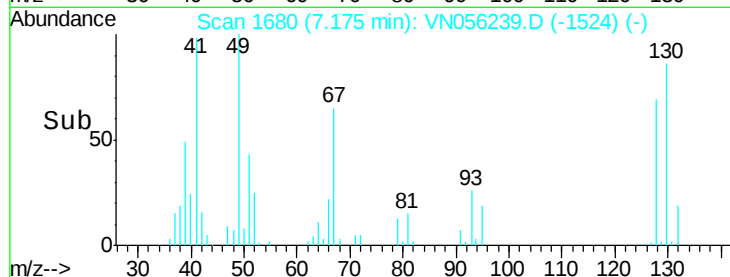
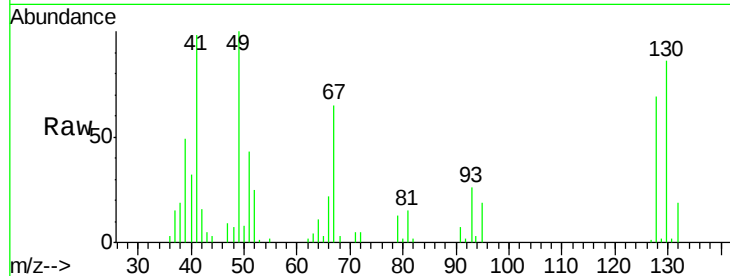
#35
Methacrylonitrile
Concen: 21.949 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	41	Resp	33140
Ion Ratio	Lower	Upper	
41	100		
39	50.6	24.8	74.3
67	67.0	34.3	102.9
52	26.0	12.6	37.8

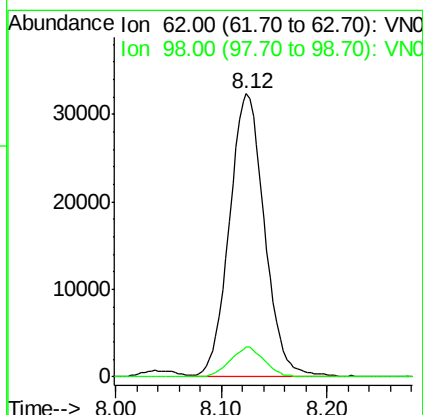
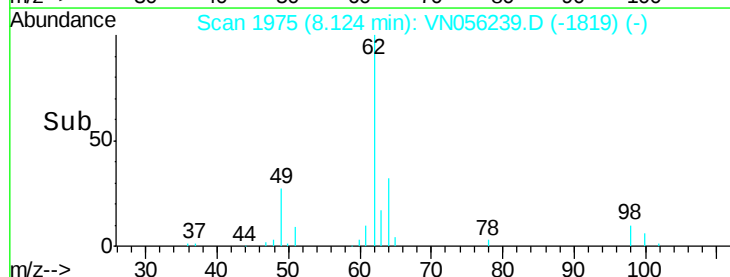
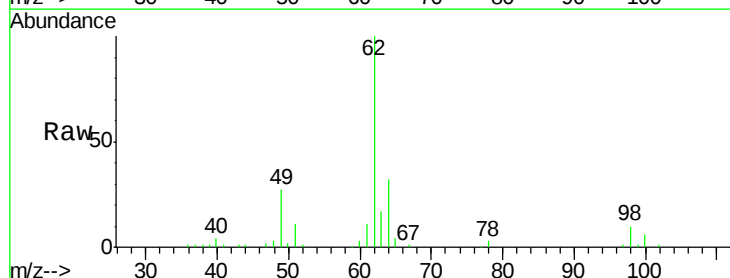
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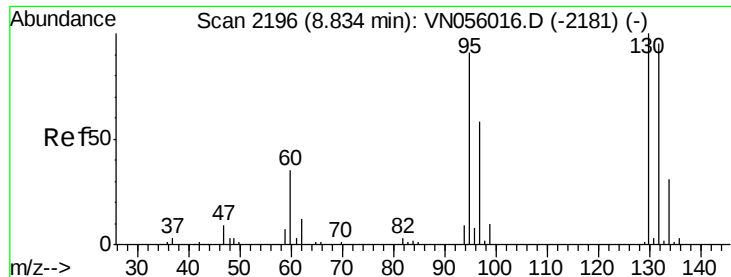
MMDadoda
6/13/2019 9:42:15 AM



#36
1,2-Dichloroethane
Concen: 22.091 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	62	Resp	74881
Ion Ratio	Lower	Upper	
62	100		
98	10.2	8.6	13.0





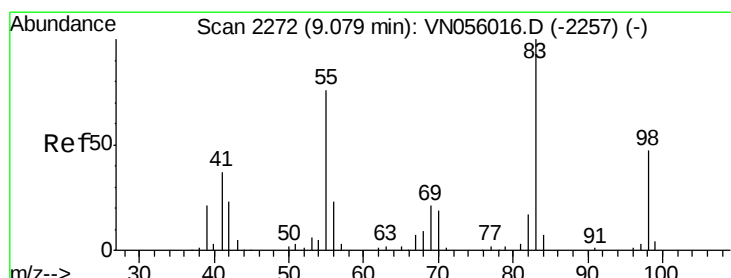
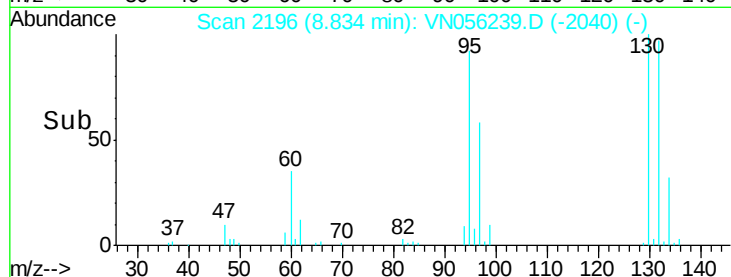
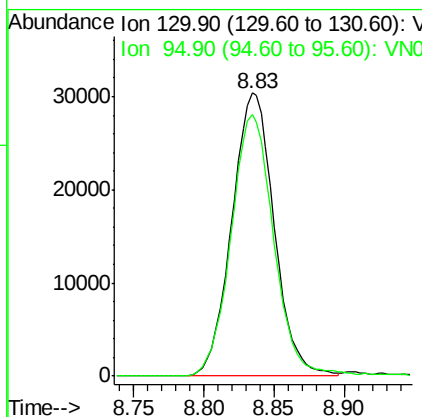
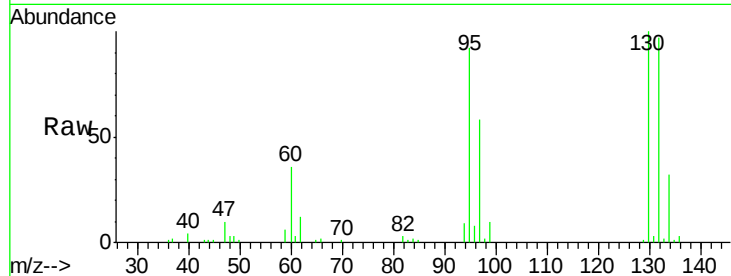
#37
 Trichloroethene
 Concen: 21.061 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion:130 Resp: 63777
 Ion Ratio Lower Upper
 130 100
 95 92.3 73.0 109.6

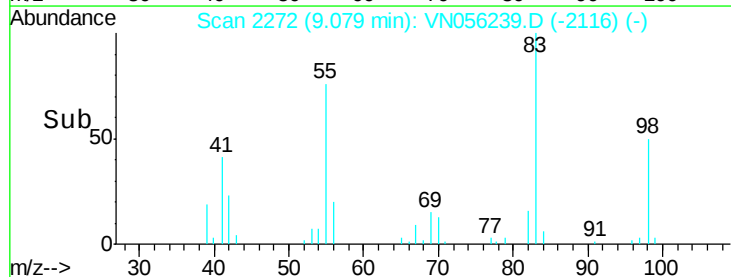
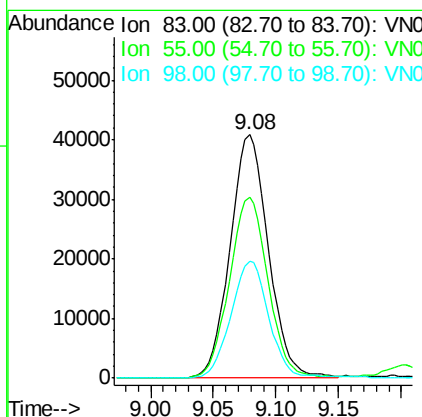
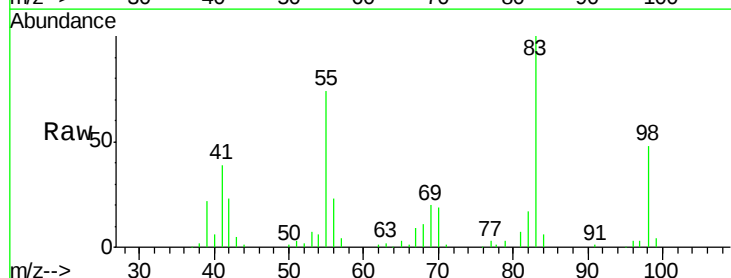
Manual Integrations
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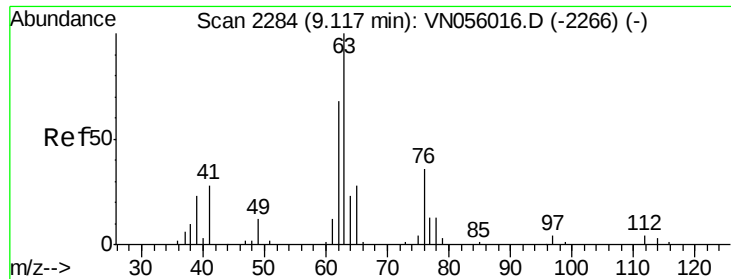
MMDadoda
 6/13/2019 9:42:15 AM



#38
 Methylcyclohexane
 Concen: 20.168 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 83 Resp: 86839
 Ion Ratio Lower Upper
 83 100
 55 74.4 37.5 112.7
 98 47.5 23.1 69.3





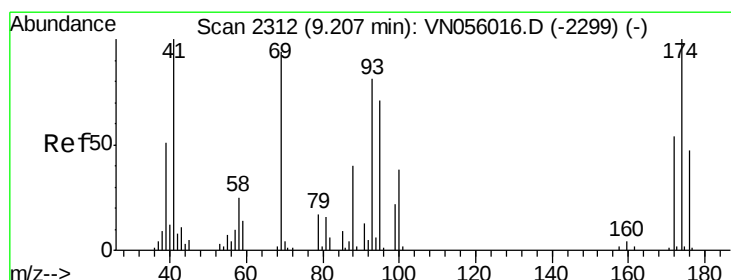
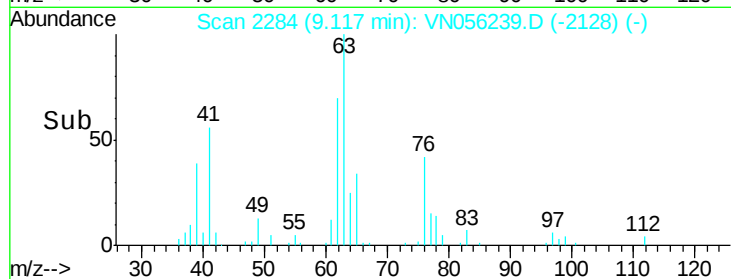
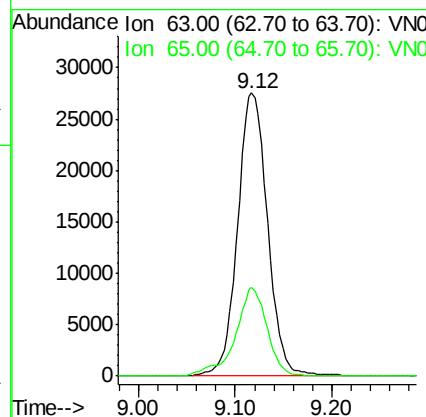
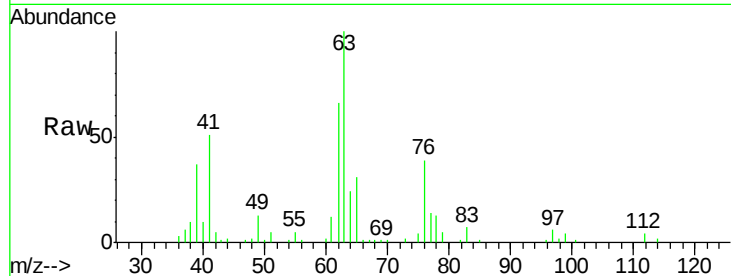
#39
 1,2-Dichloropropane
 Concen: 21.440 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion: 63 Resp: 59423
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.1 34.7

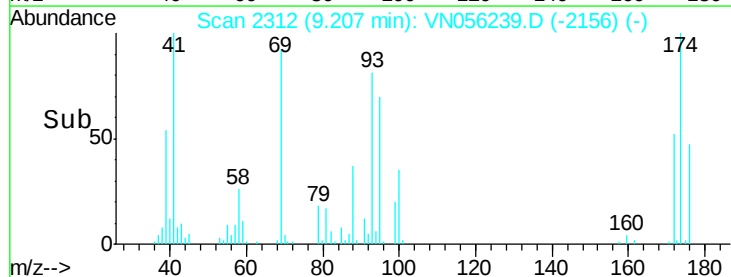
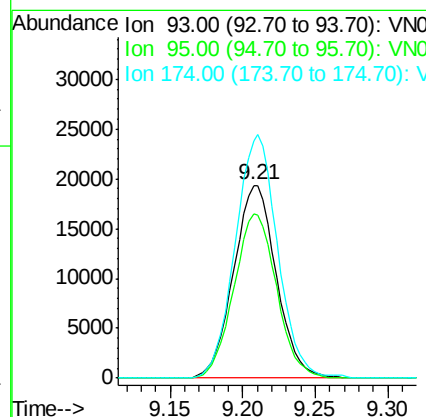
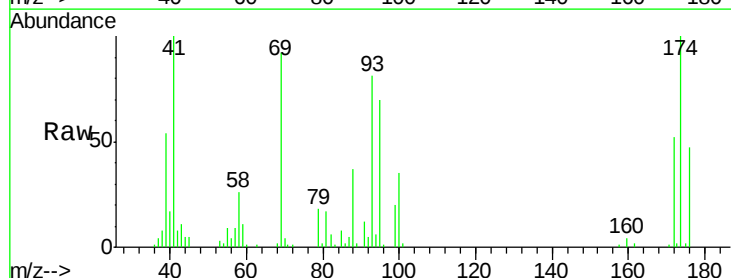
Manual Integrations
 APPROVED

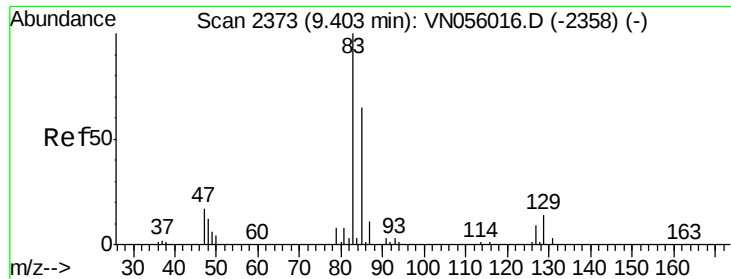
MMDadoda
 6/13/2019 9:42:15 AM



#40
 Dibromomethane
 Concen: 21.541 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 93 Resp: 39584
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 169.0
 174 125.1 0.0 246.4





#41

Bromodichloromethane

Concen: 22.078 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

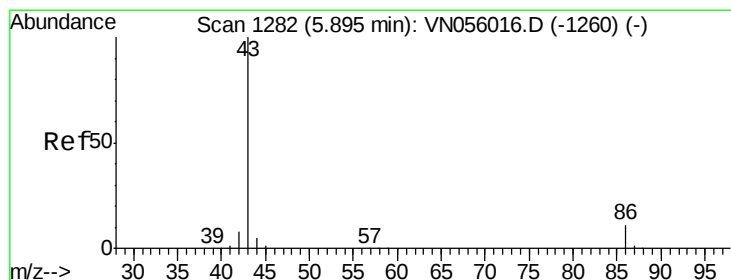
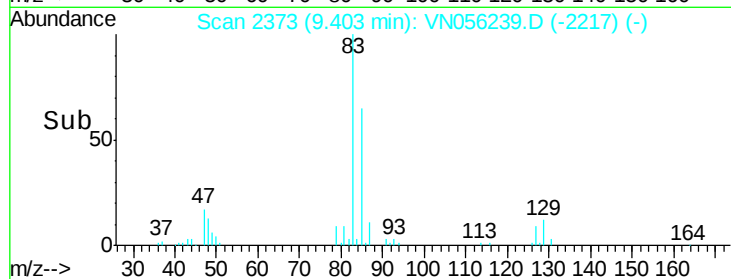
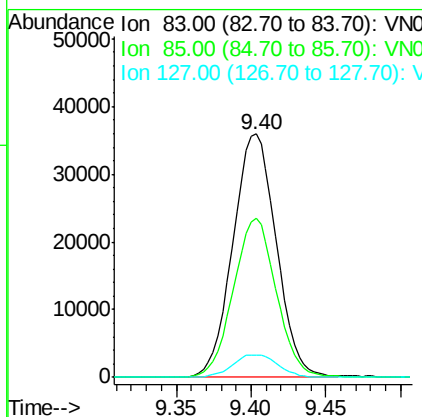
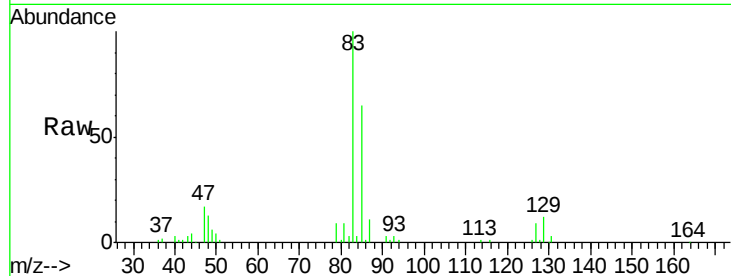
ClientSampleId :

VN0612WBS01

Tot Ion:	83	Resp:	72649
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6
127	9.0	7.3	10.9

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#42

Vinyl Acetate

Concen: 103.371 ug/l

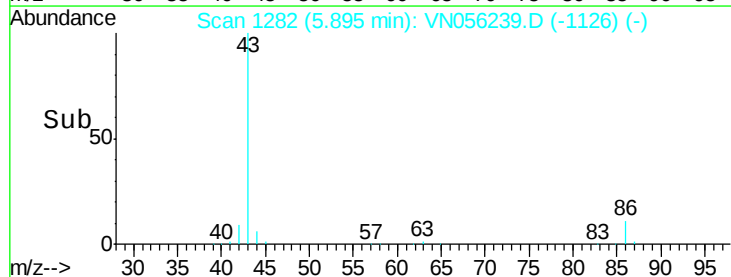
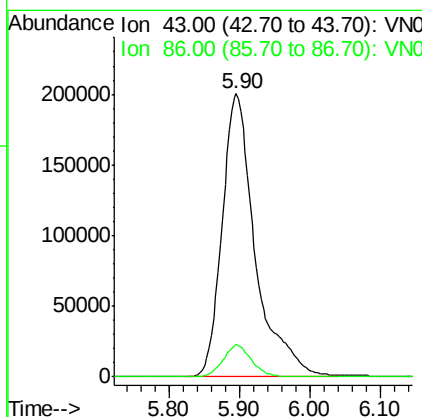
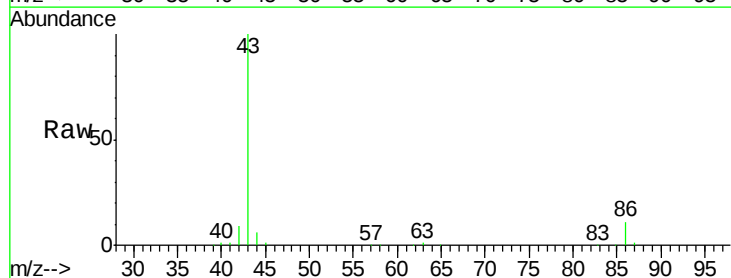
RT: 5.90 min Scan# 1282

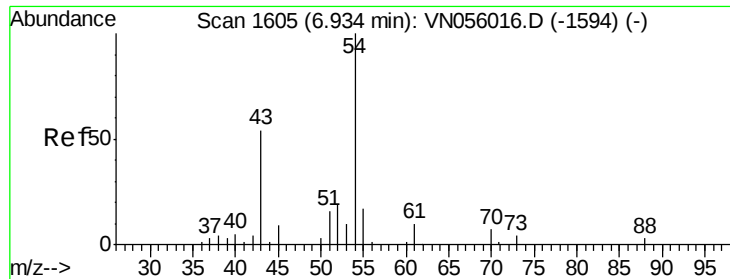
Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Tgt Ion:	43	Resp:	658941
Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.9	11.9





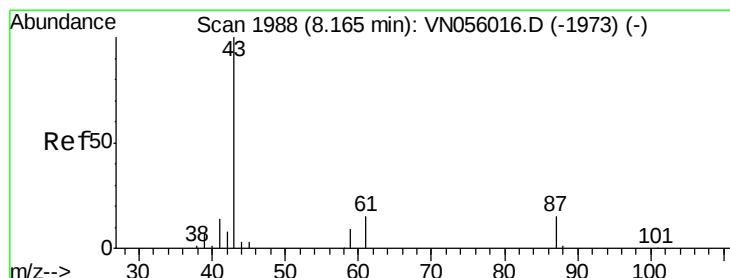
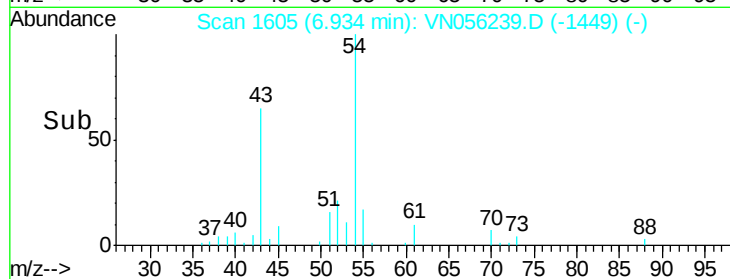
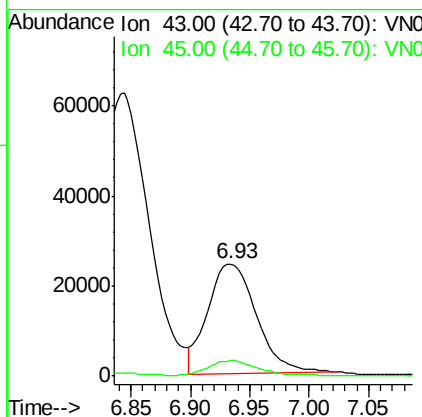
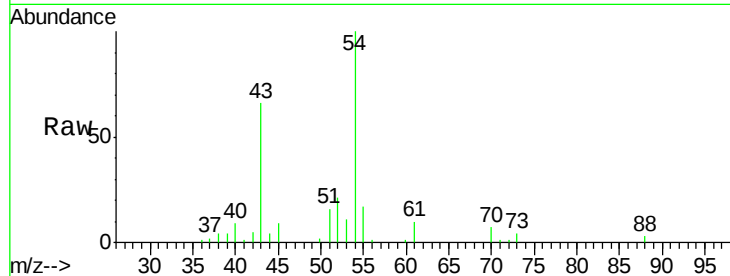
#43
Ethyl Acetate
Concen: 20.268 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	43	45	Ratio	Lower	Upper
69357	100	12.8		12.3	18.5

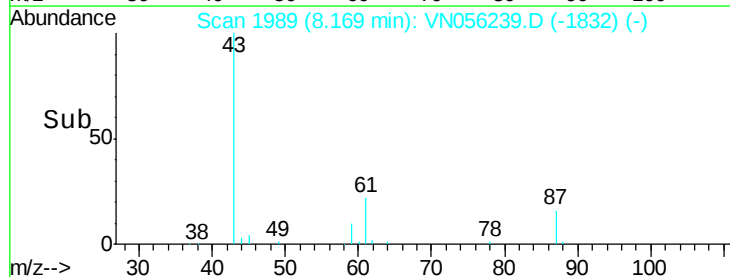
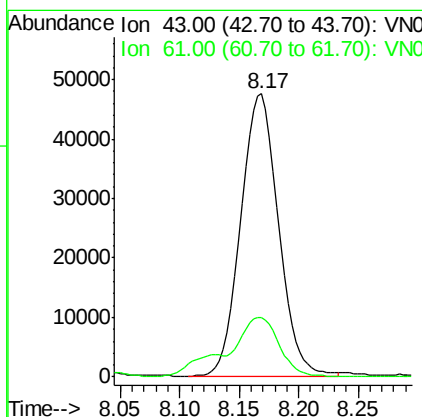
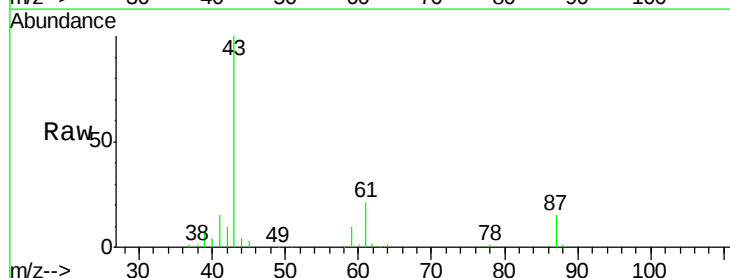
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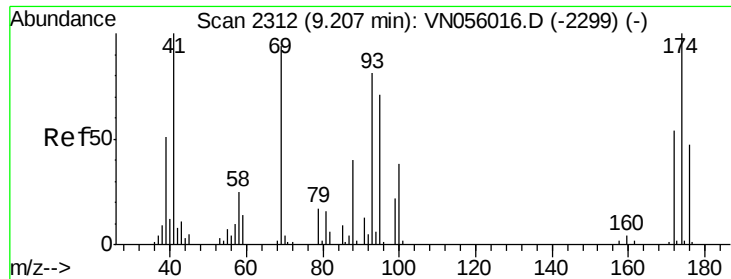
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.630 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	43	61	Ratio	Lower	Upper
104298	100	21.9		16.9	25.3





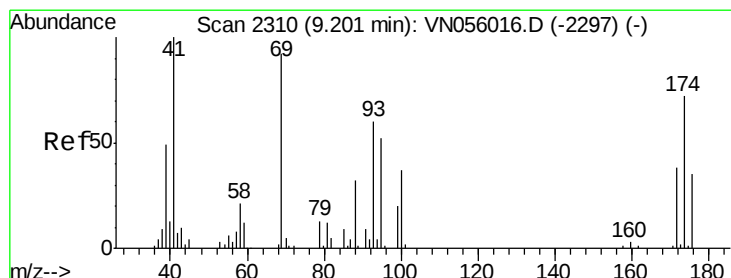
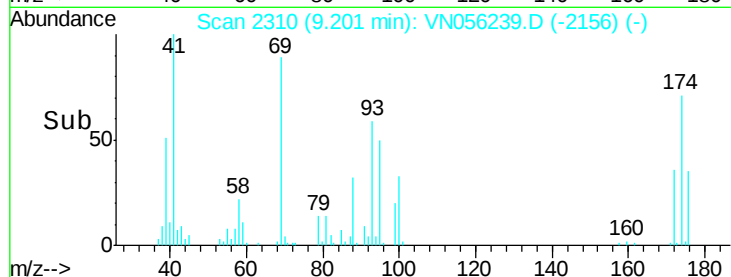
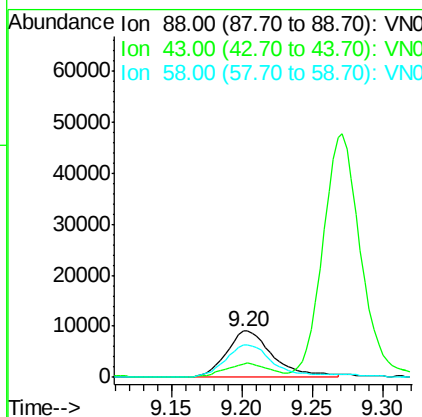
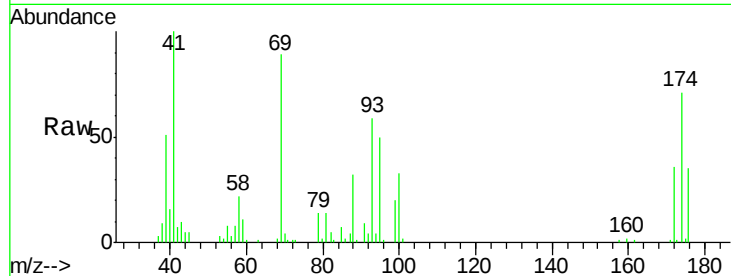
#45
 1,4-Dioxane
 Concen: 372.260 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.6	19.8	29.6
58	69.5	48.5	72.7

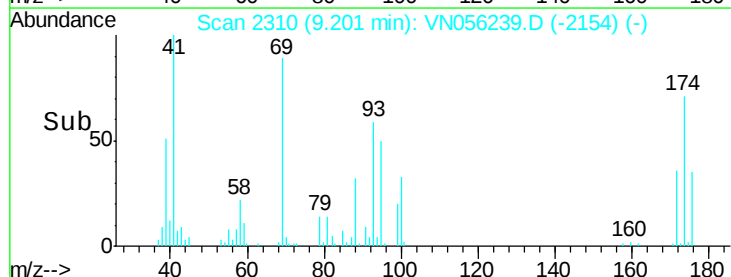
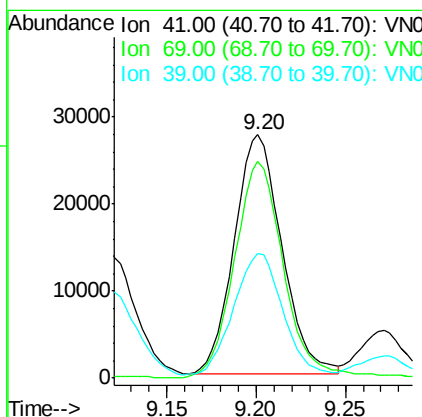
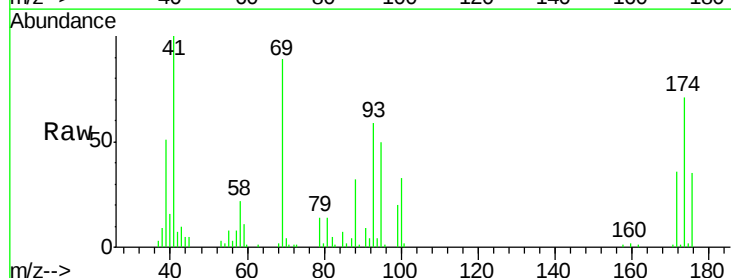
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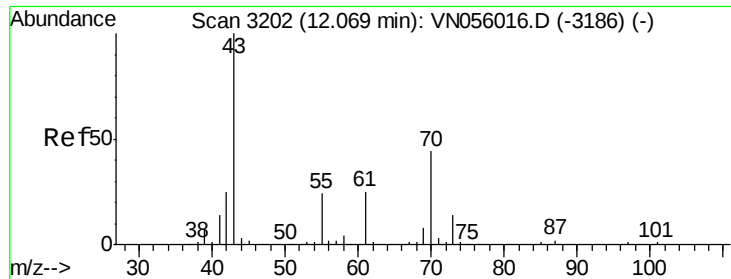
MMDadoda
 6/13/2019 9:42:15 AM



#46
 Methyl methacrylate
 Concen: 19.453 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.9	46.0	137.8
39	50.4	24.6	73.8





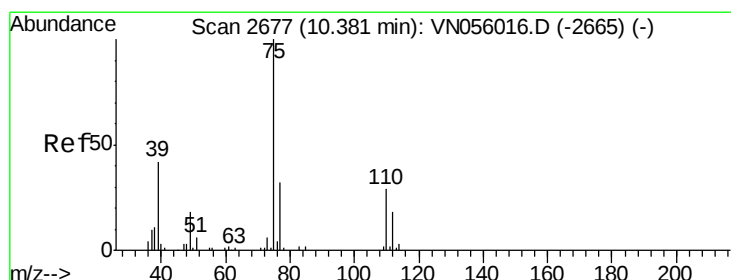
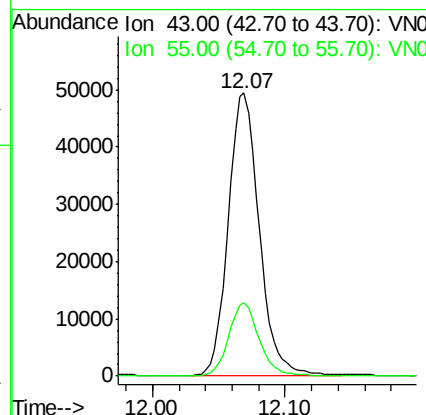
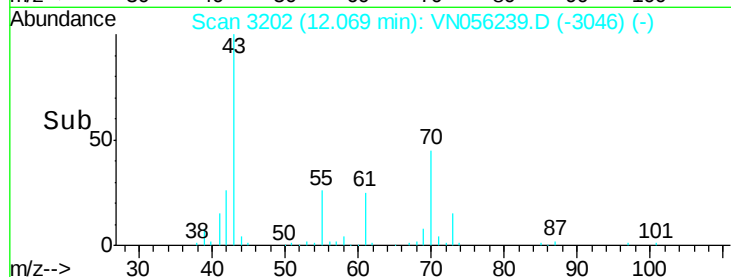
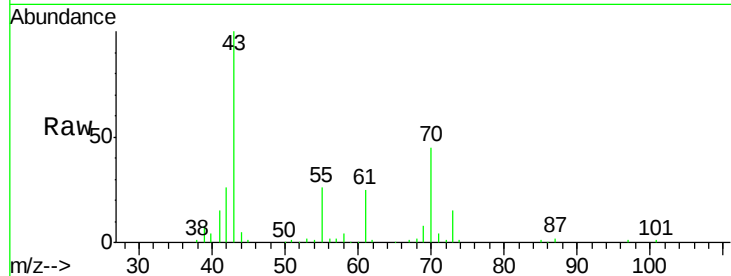
#47
 n-amvl Acetate
 Concen: 18.360 ug/l
 RT: 12.07 min Scan# 3202
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion: 43 Resp: 80673
 Ion Ratio Lower Upper
 43 100
 55 25.4 19.0 28.6

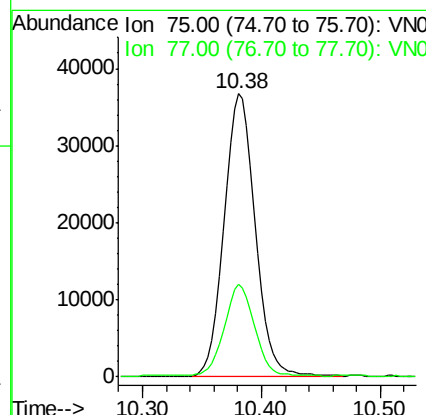
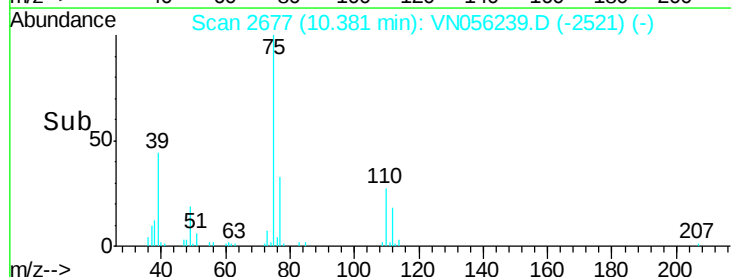
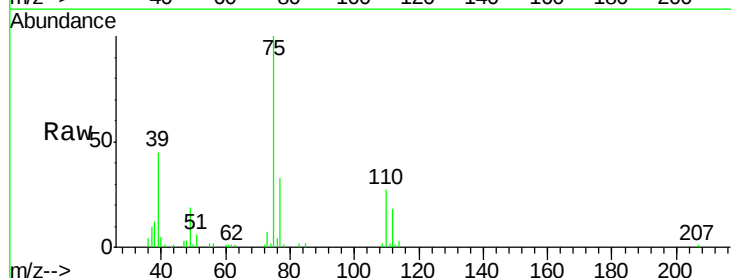
Manual Integrations
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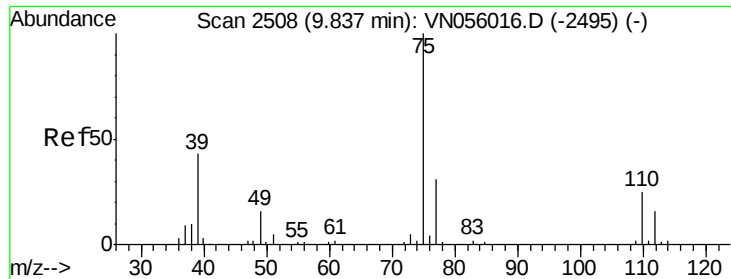
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#48
 t-1,3-Dichloropropene
 Concen: 19.261 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion: 75 Resp: 66700
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.0 39.0





#49

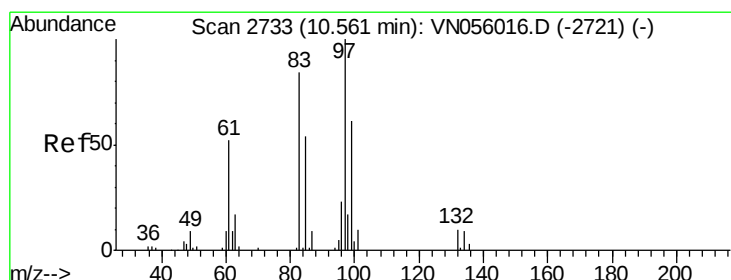
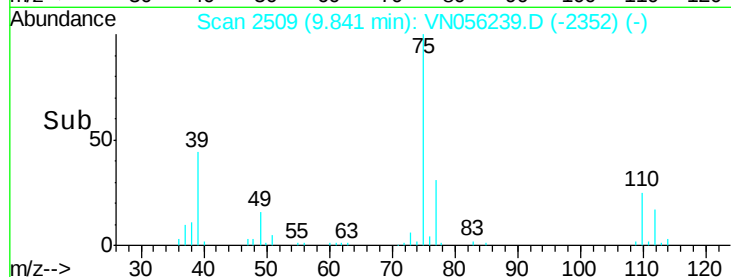
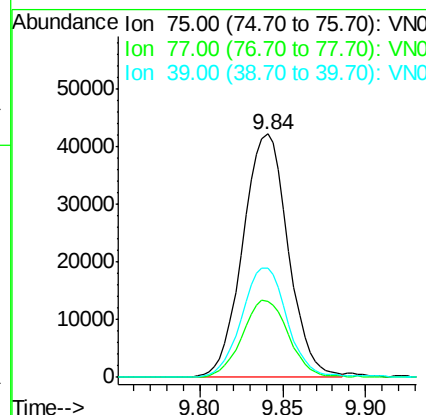
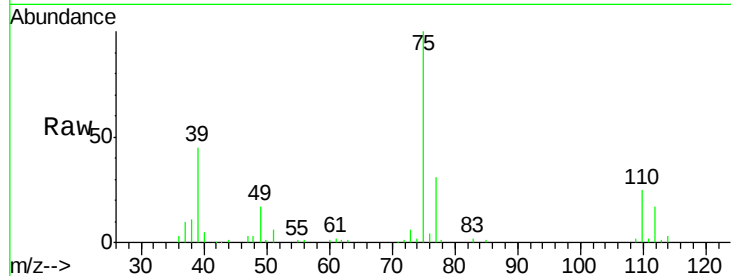
cis-1,3-Dichloropropene
Concen: 19.783 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	44.7	34.3	51.5

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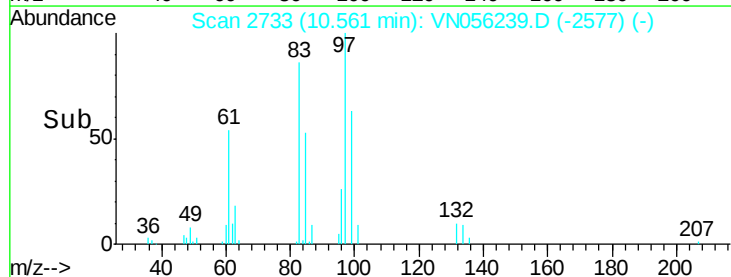
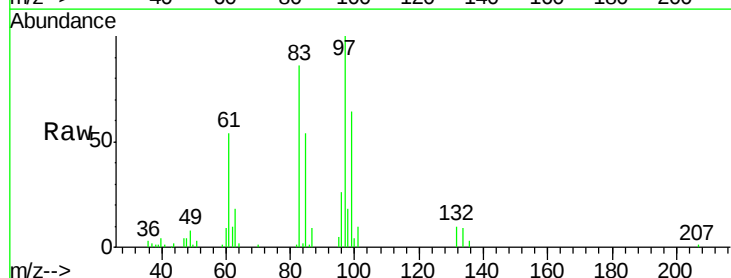
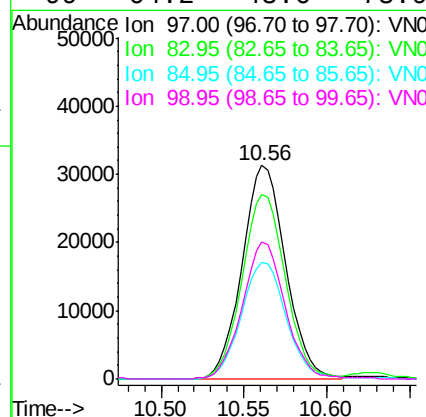
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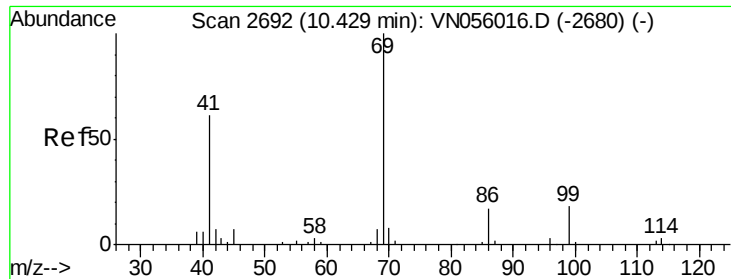


#50

1,1,2-Trichloroethane
Concen: 20.978 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.9	100.3
85	54.4	43.3	64.9
99	64.2	48.6	73.0





#51

Ethyl methacrylate

Concen: 18.809 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

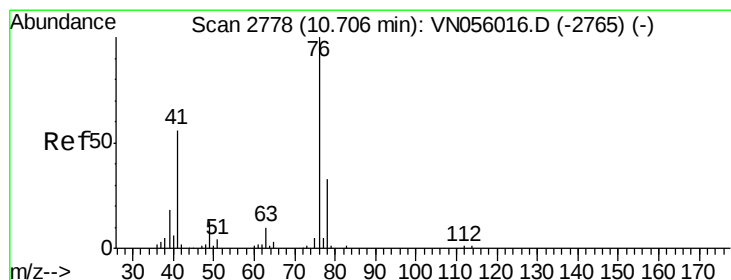
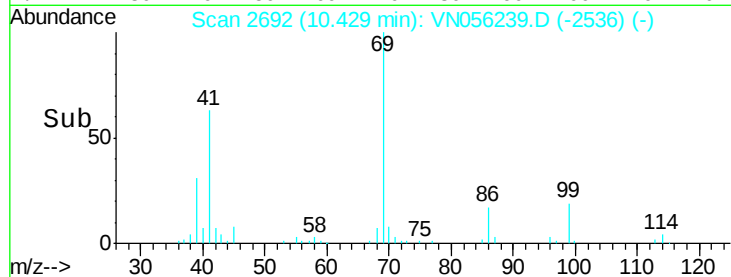
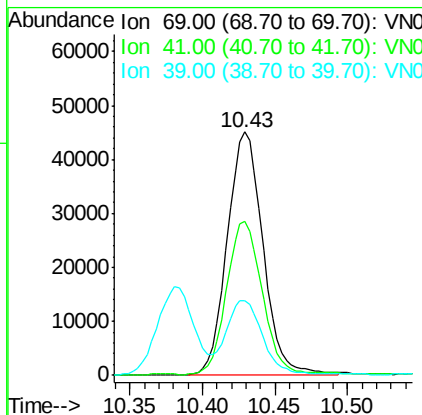
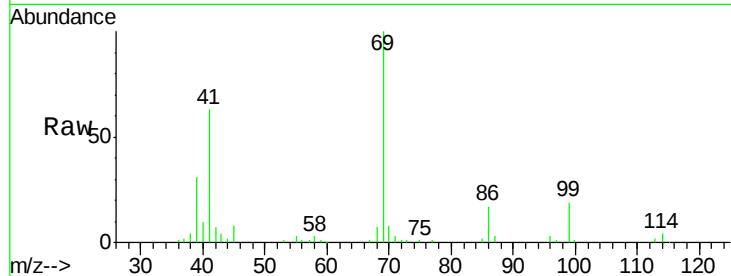
ClientSampleId :

VN0612WBS01

Tot Ion:	69	Resp:	77671
Ion	Ratio	Lower	Upper
69	100		
41	62.8	30.8	92.3
39	30.2	14.5	43.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.472 ug/l

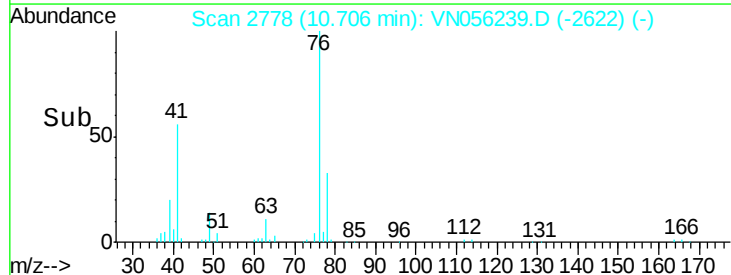
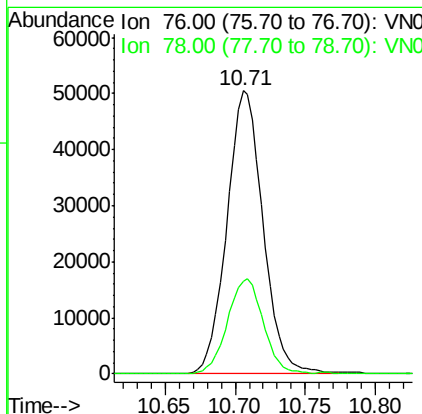
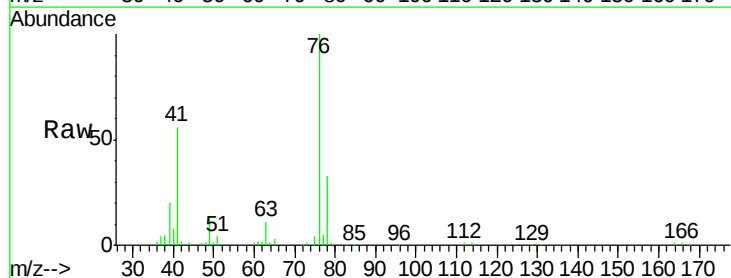
RT: 10.71 min Scan# 2778

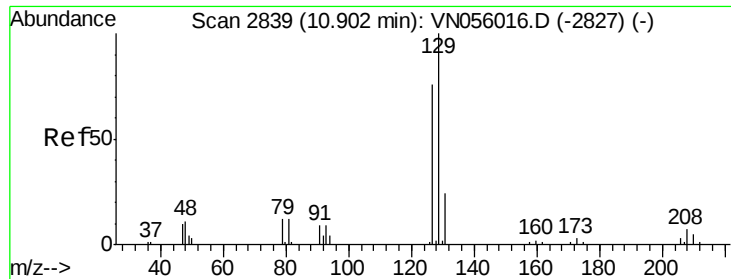
Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Tgt Ion:	76	Resp:	90587
Ion	Ratio	Lower	Upper
76	100		
78	33.3	0.0	63.4





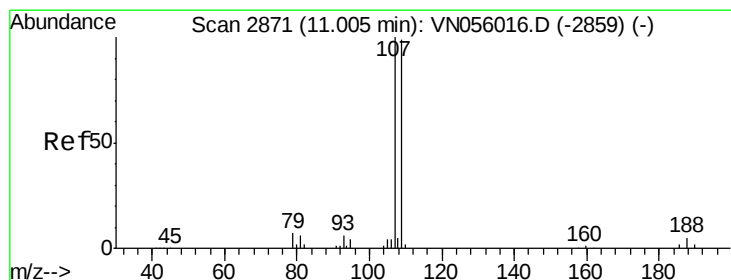
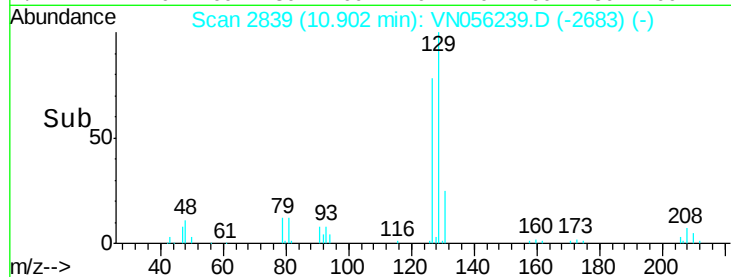
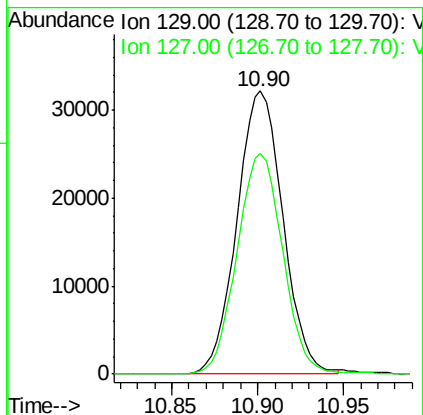
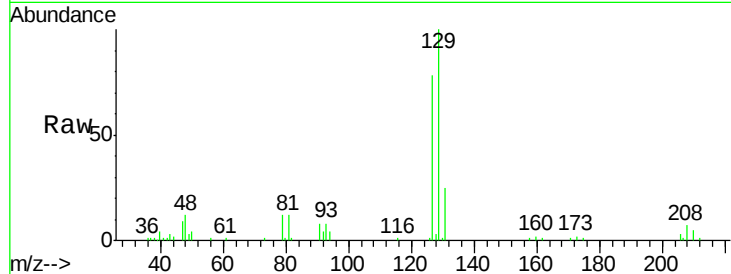
#53
Dibromochloromethane
Concen: 22.340 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.5

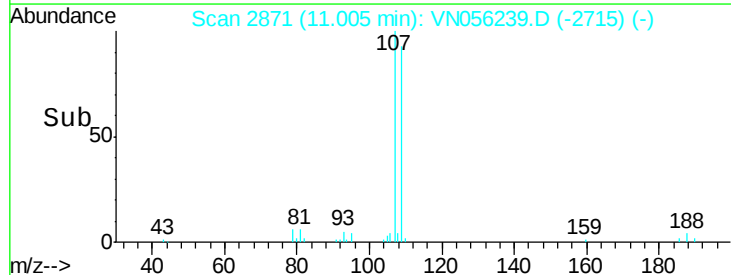
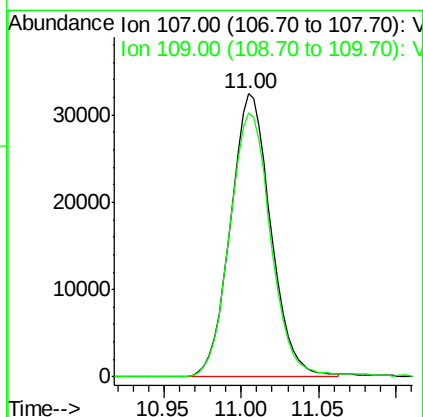
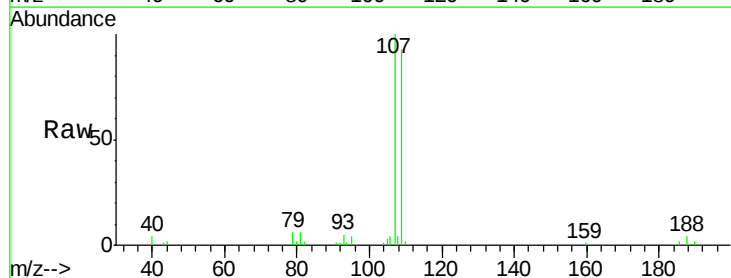
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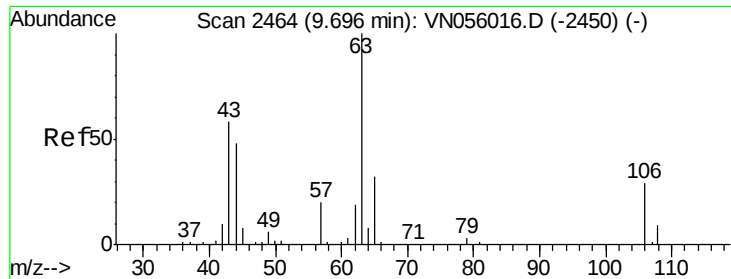
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#54
1,2-Dibromoethane
Concen: 20.553 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.8	115.2





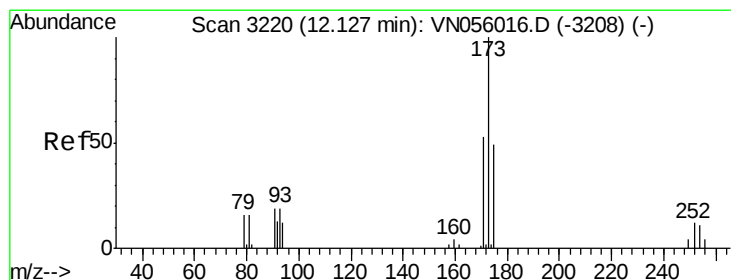
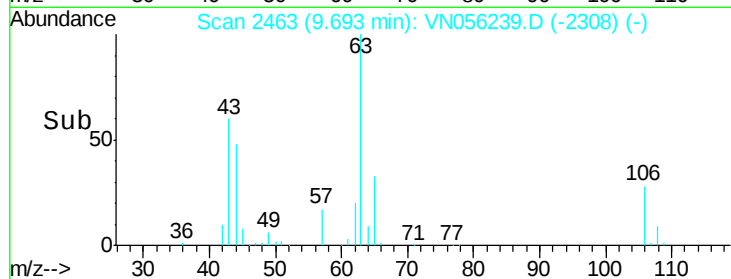
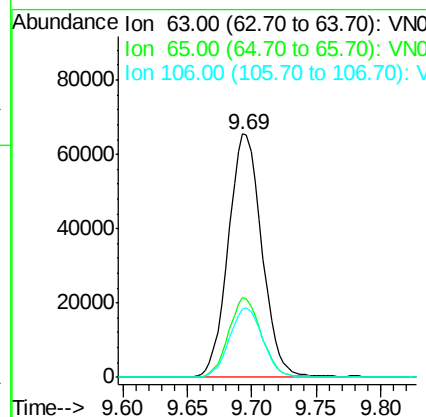
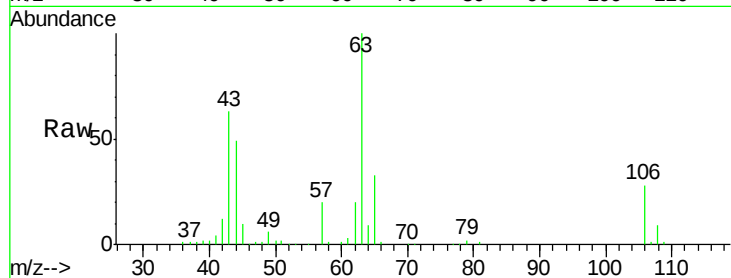
#55
2-Chloroethyl vinyl ether
Concen: 82.031 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.5	38.3
106	28.2	23.0	34.4

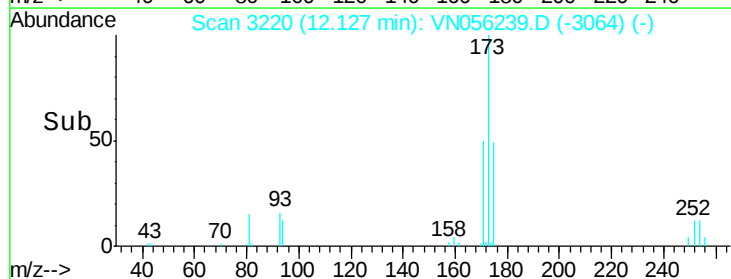
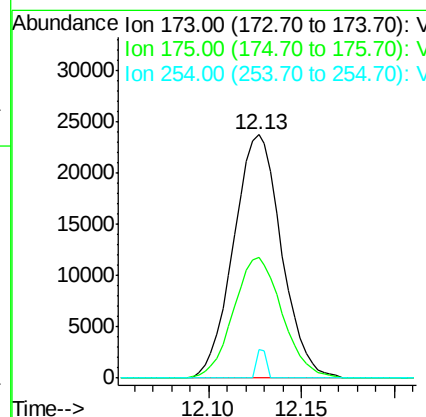
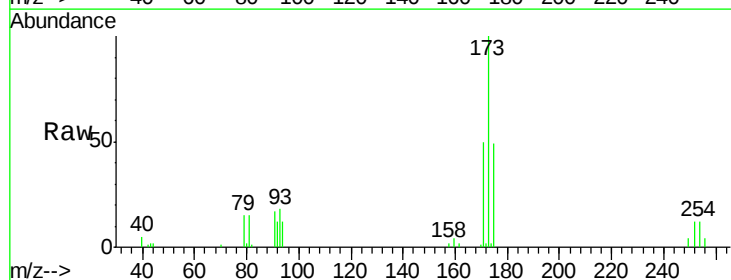
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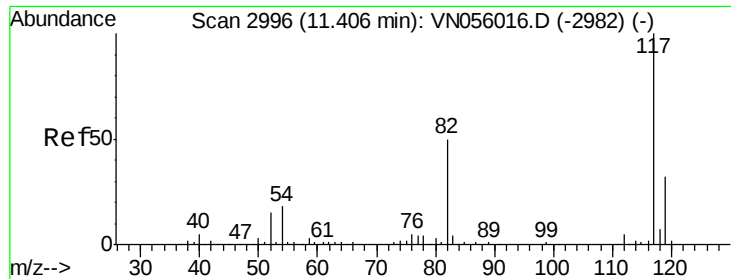
MMDadoda
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#56
Bromoform
Concen: 21.978 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.5	38.7	58.1
254	2.5	6.6	9.8





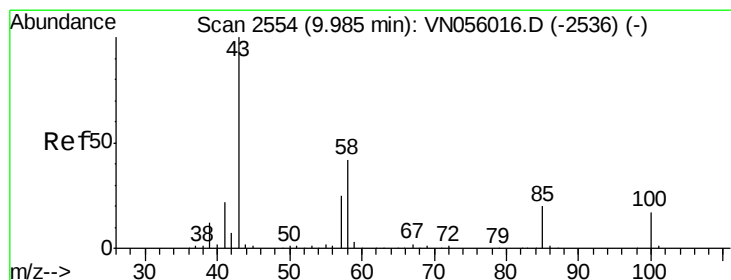
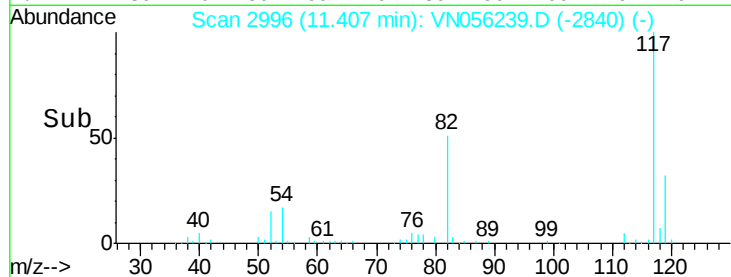
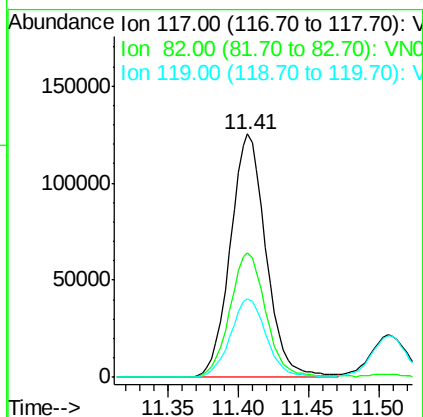
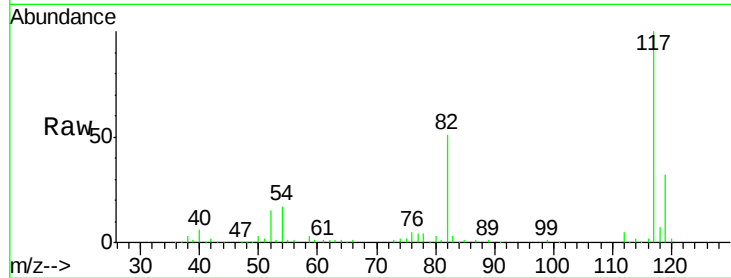
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.2	61.8
119	32.5	26.2	39.2

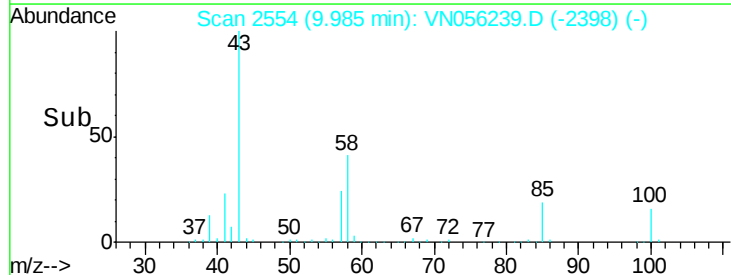
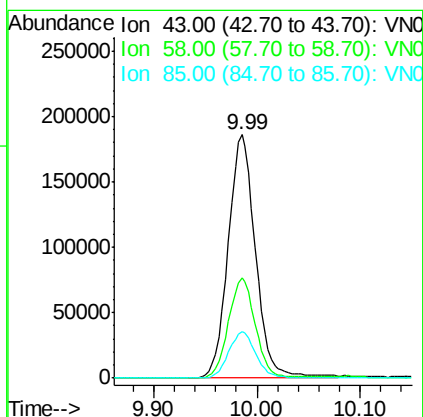
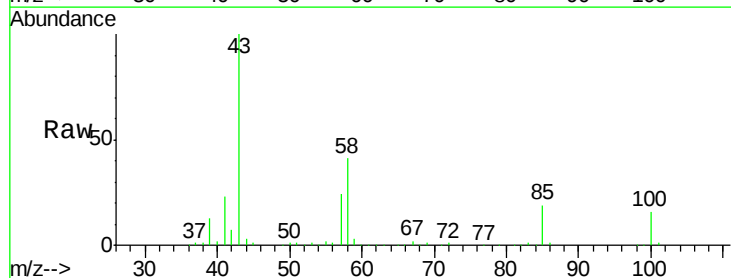
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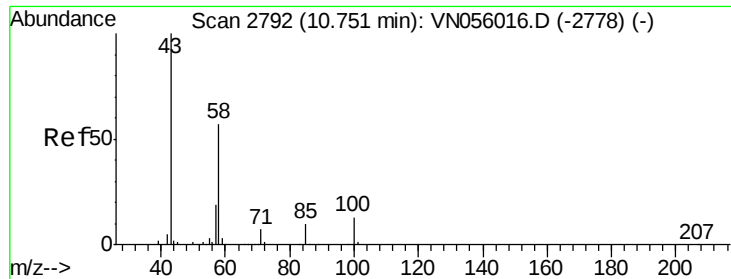
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 102.583 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.2	33.1	49.7
85	18.8	15.5	23.3





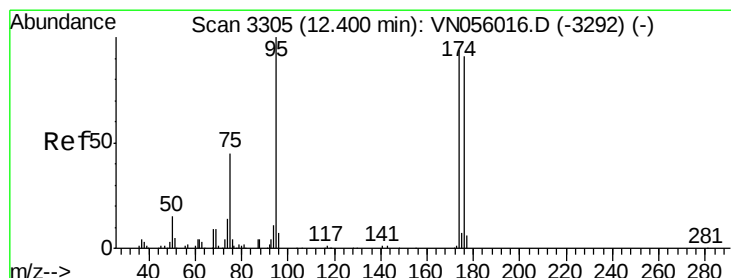
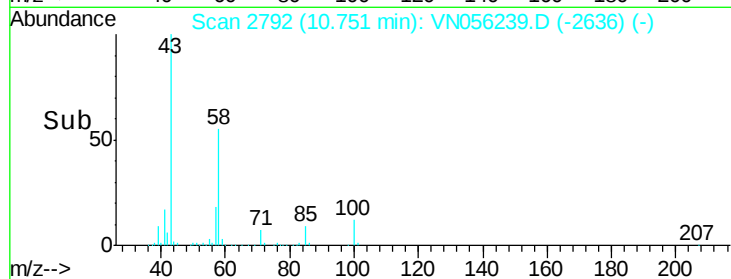
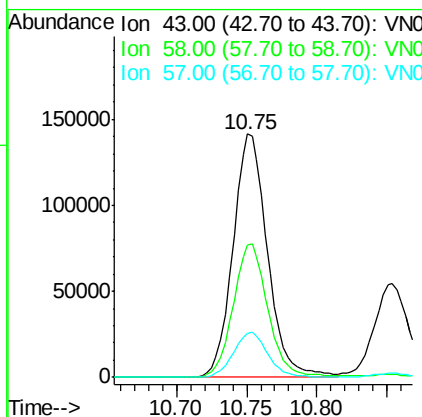
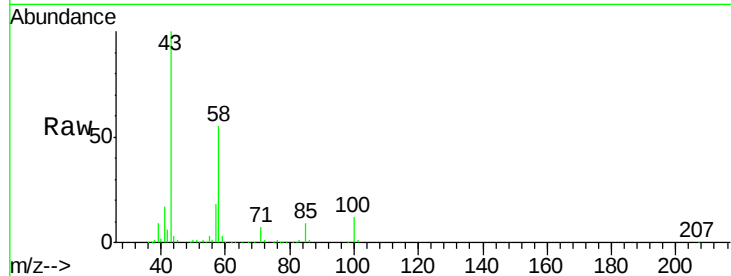
#59
2-Hexanone
Concen: 100.972 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

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

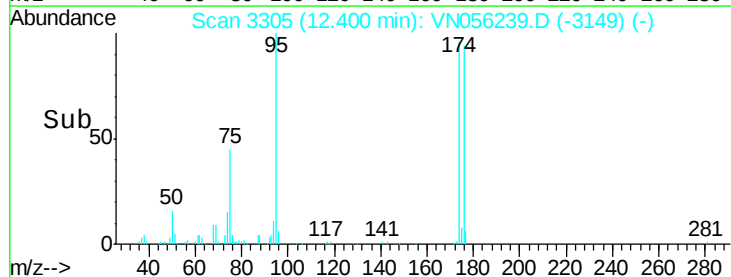
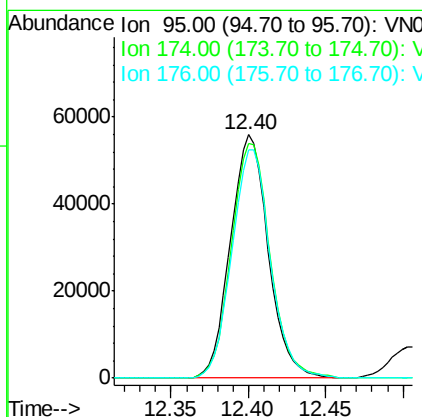
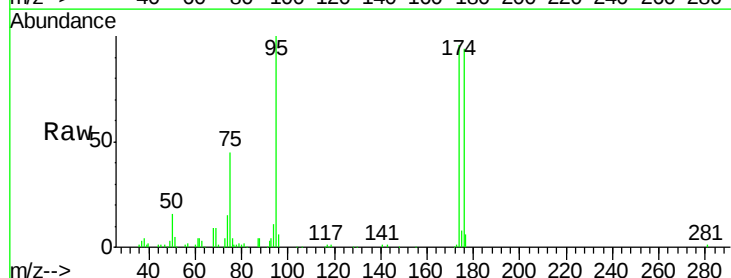
Manual Integrations
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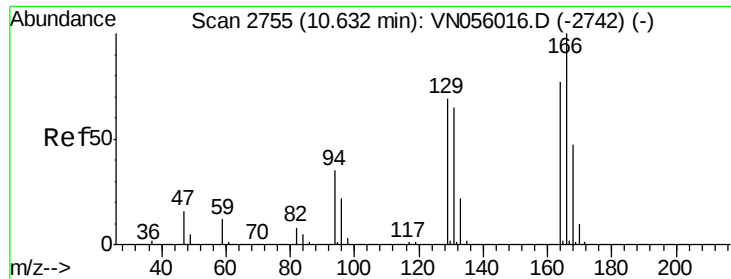
MMDadoda
6/13/2019 9:42:15 AM



#60
4-Bromofluorobenzene
Concen: 28.863 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.0	75.4	113.0
176	95.6	73.9	110.9





#61

Tetrachloroethene

Concen: 21.376 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

Tot Ion:164 Resp: 66124

Ion Ratio Lower Upper

164 100

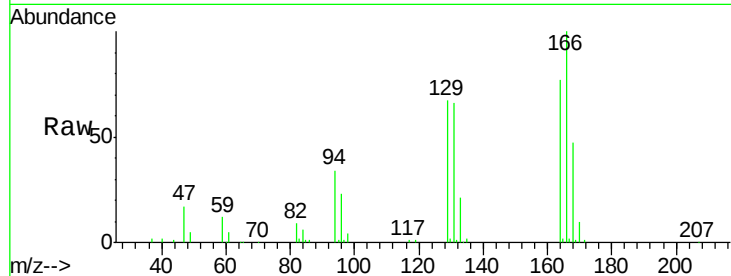
166 129.6 104.3 156.5

129 86.4 71.5 107.3

131 84.9 67.7 101.5

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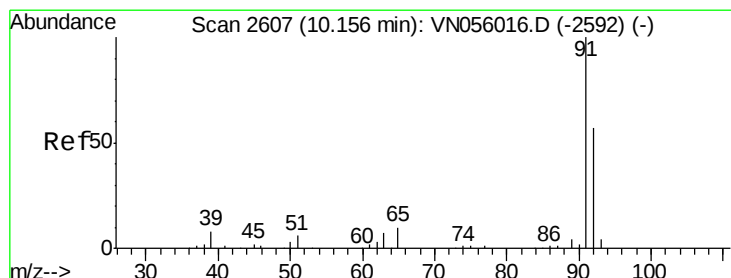
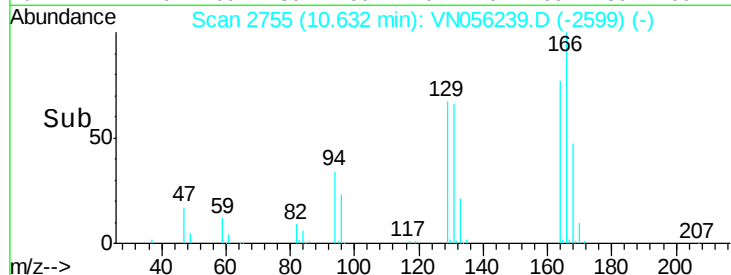
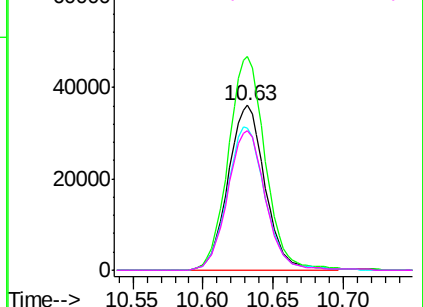


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.461 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056239.D

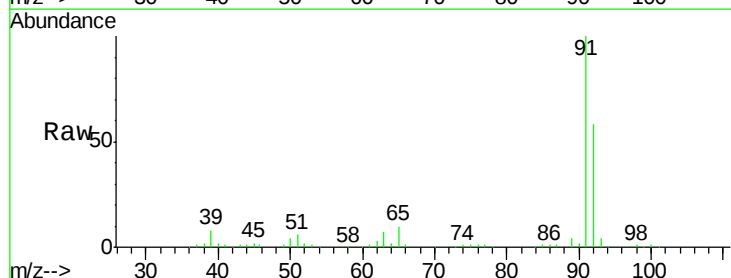
Acq: 12 Jun 2019 10:47

Tgt Ion: 91 Resp: 245170

Ion Ratio Lower Upper

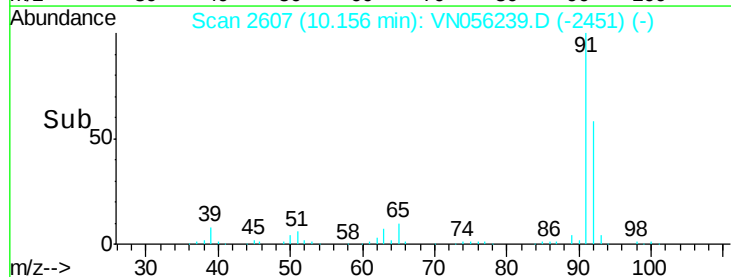
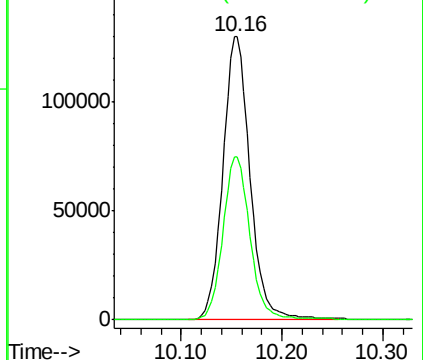
91 100

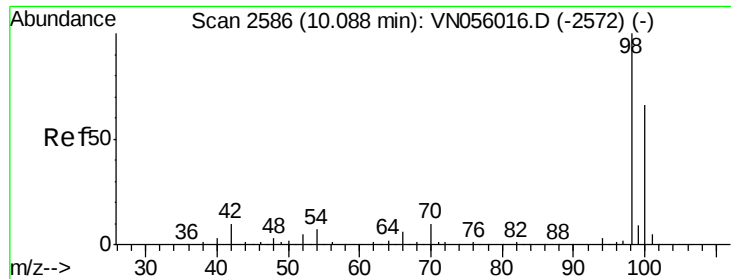
92 57.2 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





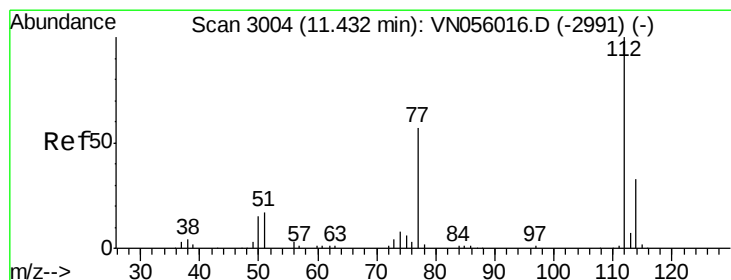
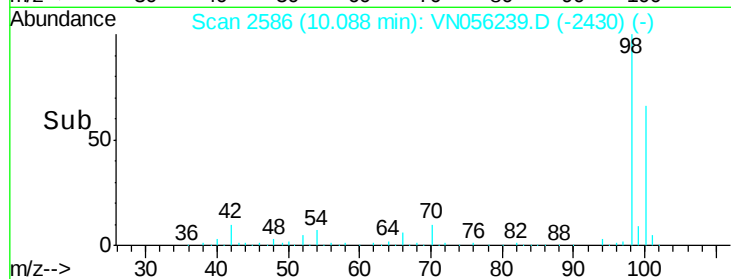
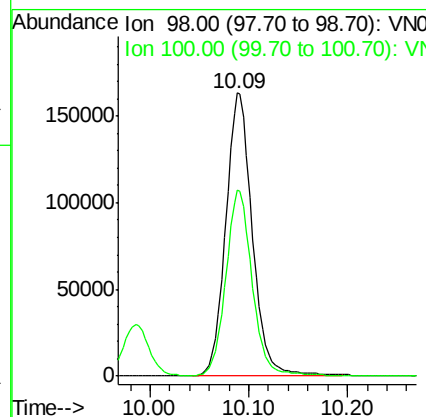
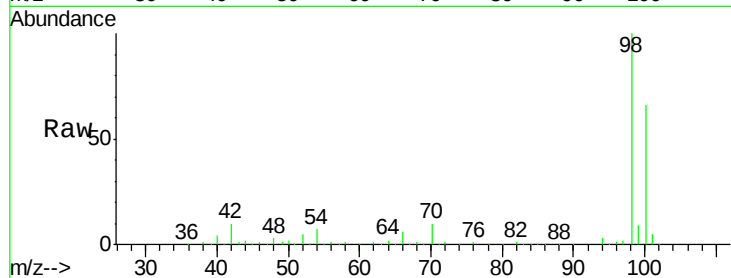
#63
Toluene-d8
Concen: 30.666 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion: 98 Resp: 308763
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4

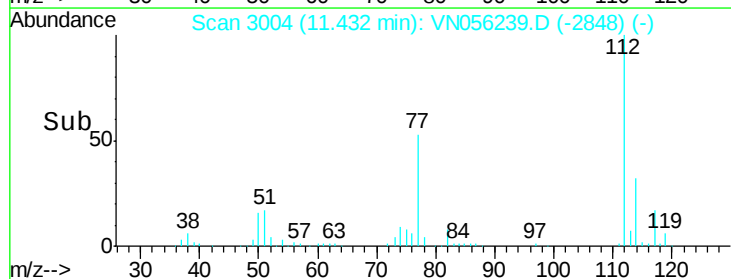
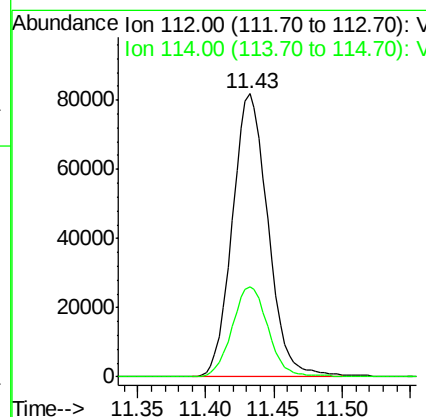
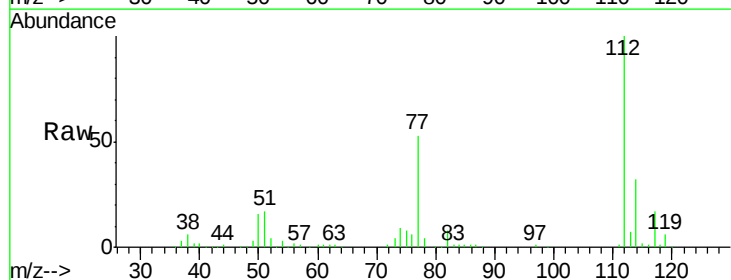
Manual Integrations
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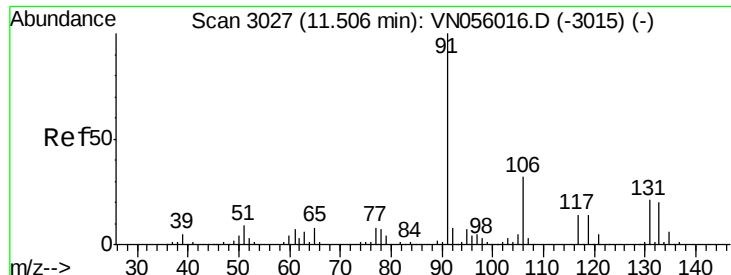
MMDadoda
6/13/2019 9:42:15 AM



#64
Chlorobenzene
Concen: 20.524 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion: 112 Resp: 149166
Ion Ratio Lower Upper
112 100
114 31.9 26.1 39.1





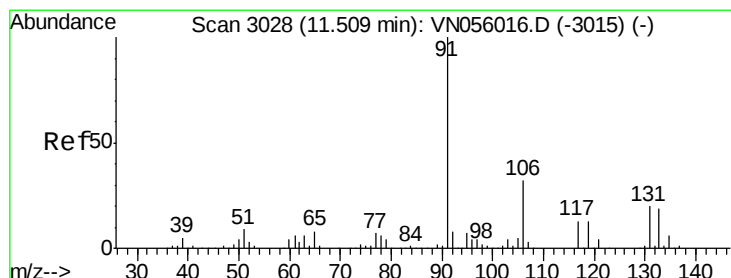
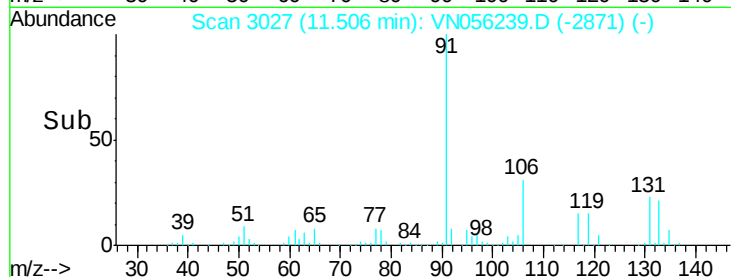
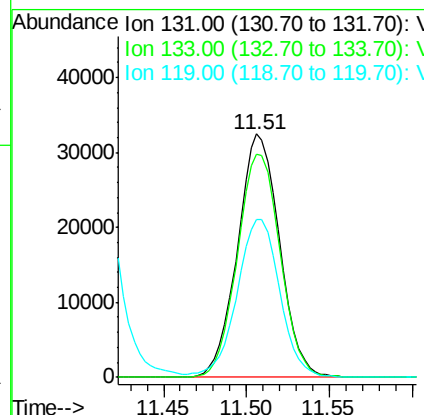
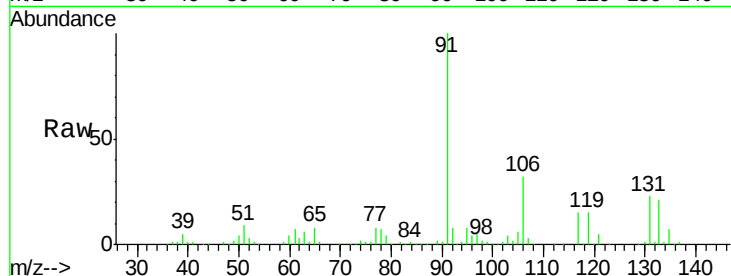
#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.831 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.7	0.0	193.8
119	66.2	0.0	134.4

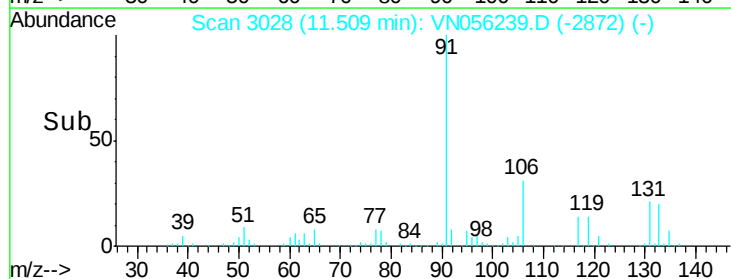
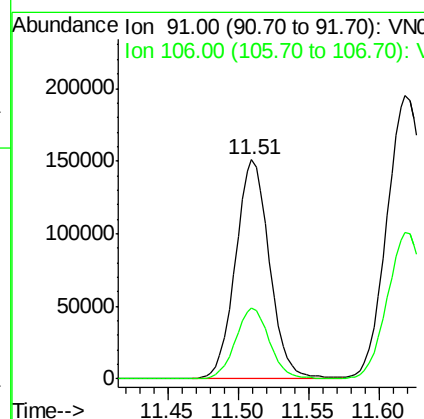
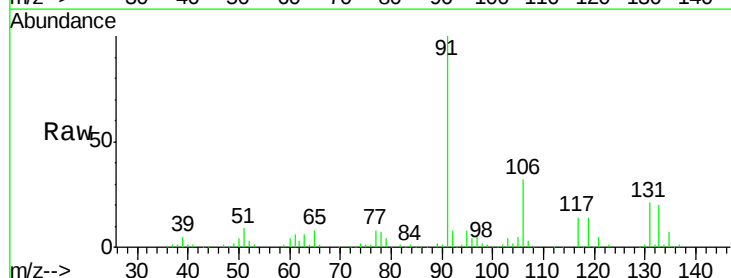
Manual Integrations
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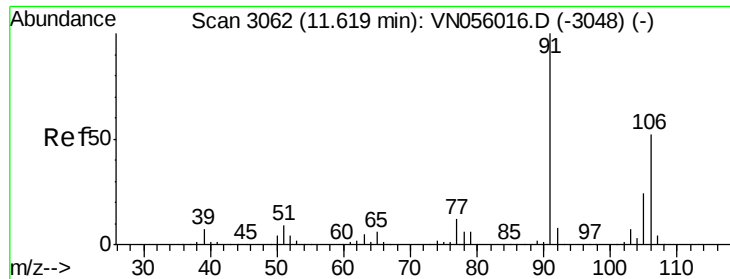
MMDadoda
 6/13/2019 9:42:15 AM



#66
 Ethyl Benzene
 Concen: 20.019 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.7	38.5





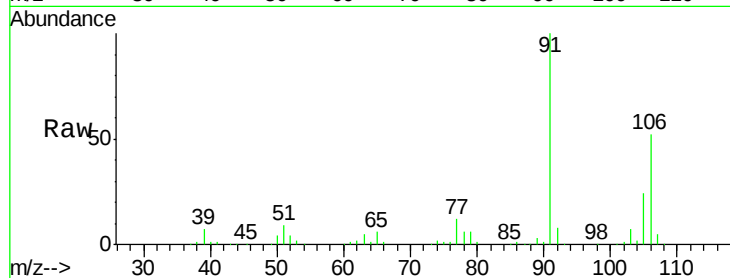
#67
m/p-Xylenes
Concen: 40.548 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

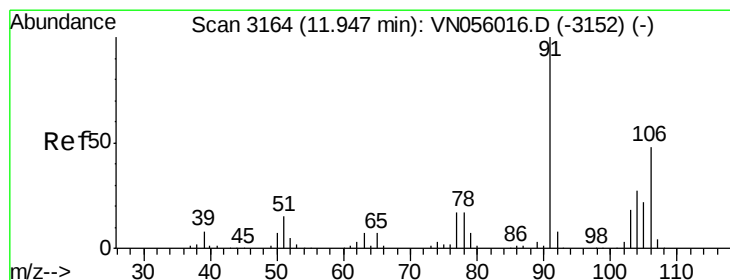
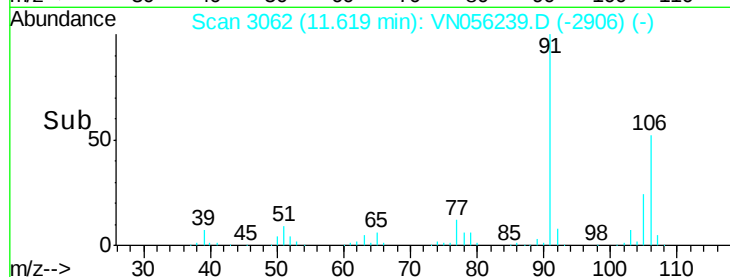
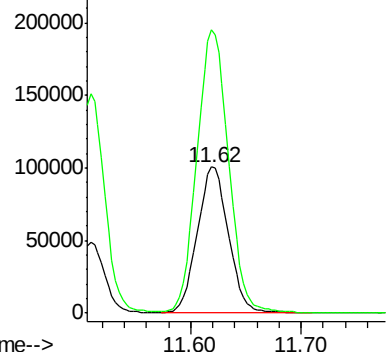
Tot Ion:106 Resp: 198071
Ion Ratio Lower Upper
106 100
91 196.1 155.7 233.5

Manual Integrations
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6/13/2019 9:42:15 AM

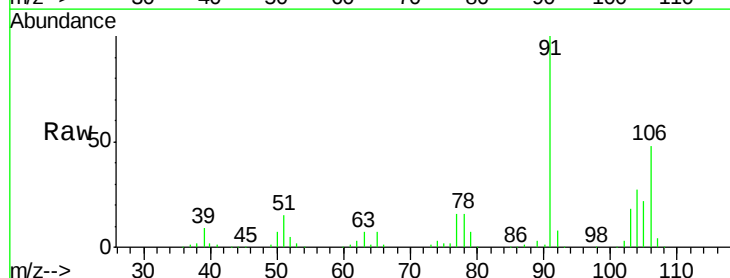


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

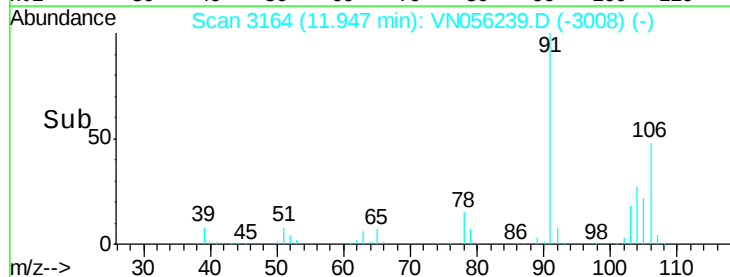
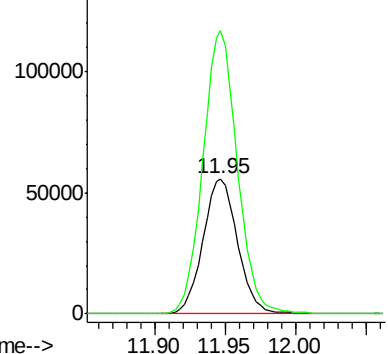


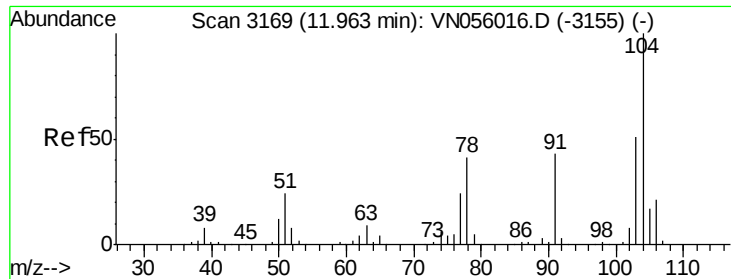
#68
o-Xylene
Concen: 19.986 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion:106 Resp: 95576
Ion Ratio Lower Upper
106 100
91 208.6 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





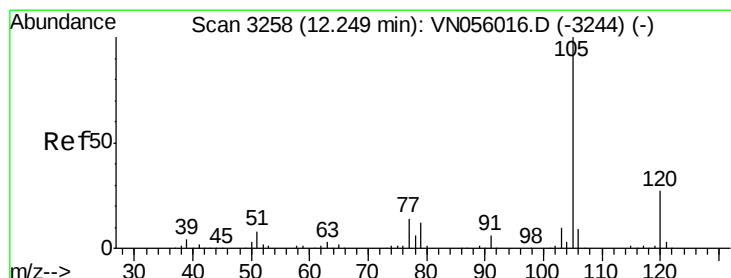
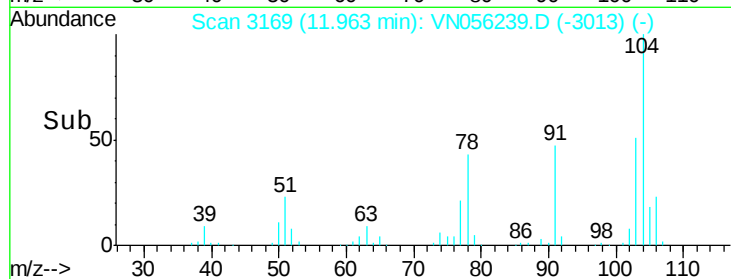
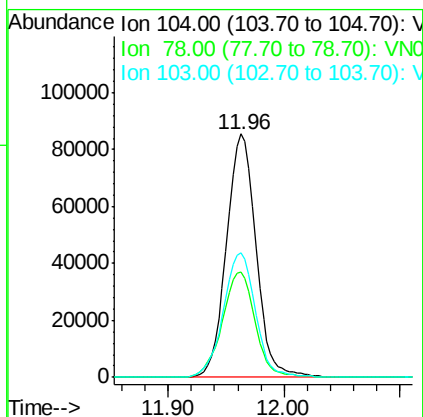
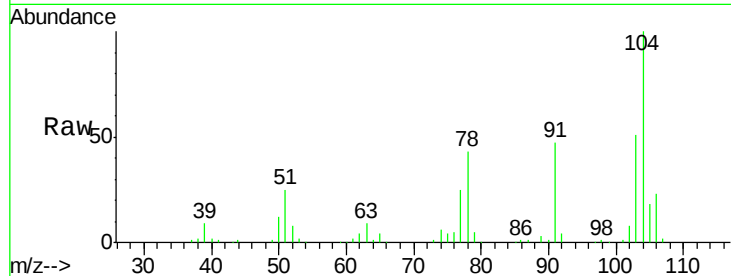
#69
Stvrene
Concen: 19.406 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.0	37.0	55.6
103	55.4	44.4	66.6

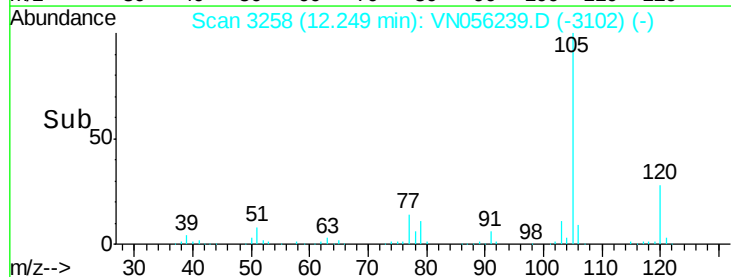
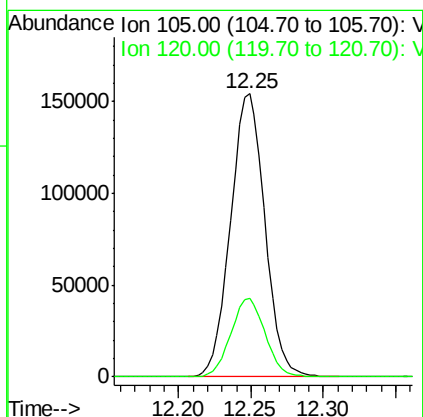
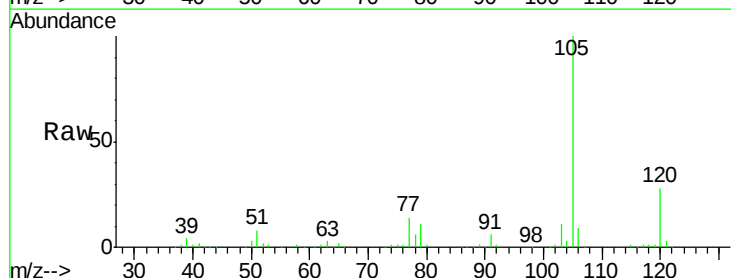
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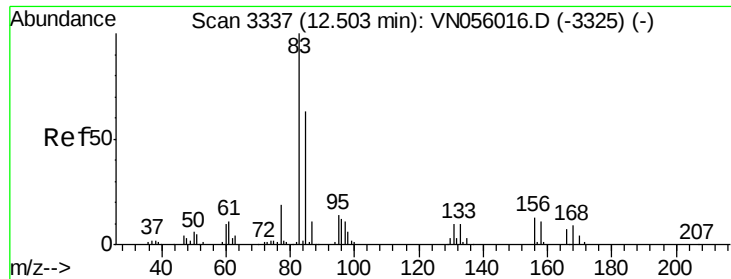
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#70
Isopropylbenzene
Concen: 20.320 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.3	35.8





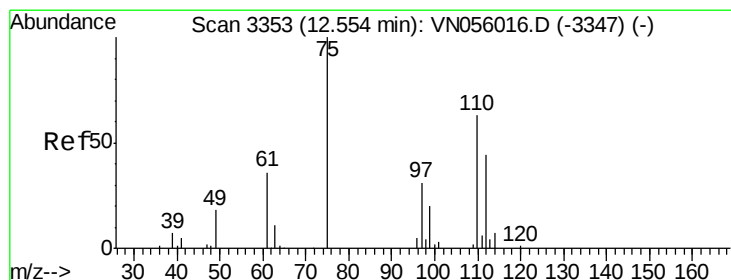
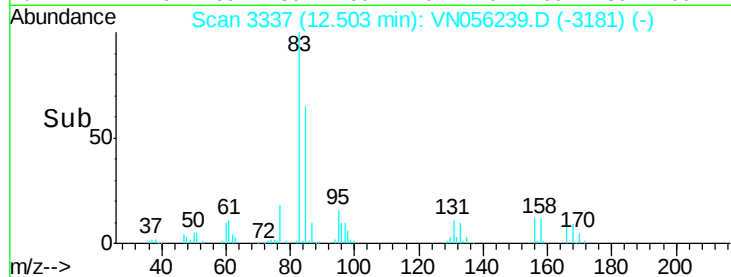
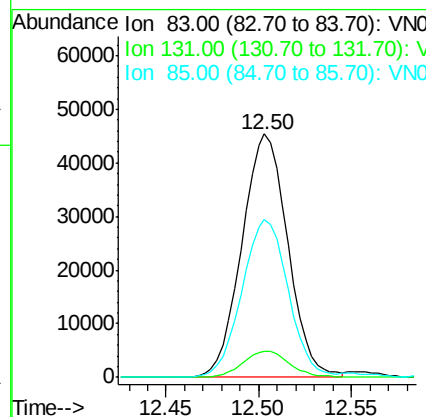
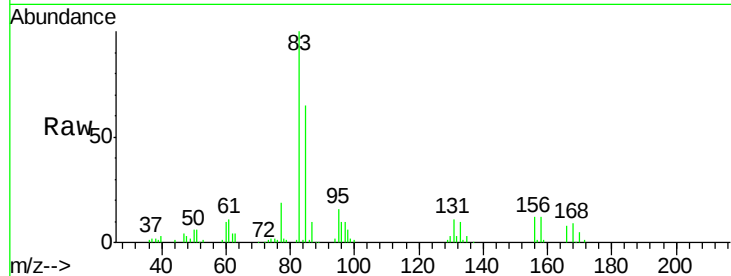
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.746 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	83	Resp	78152
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.2	15.6
85	65.3	31.6	94.7

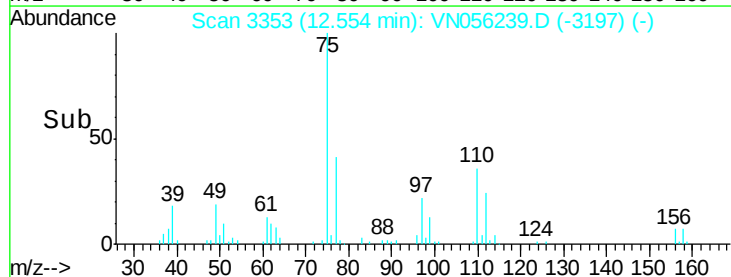
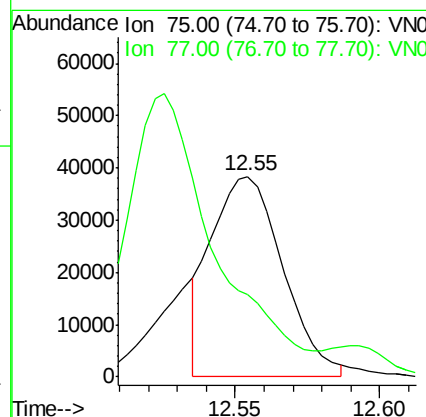
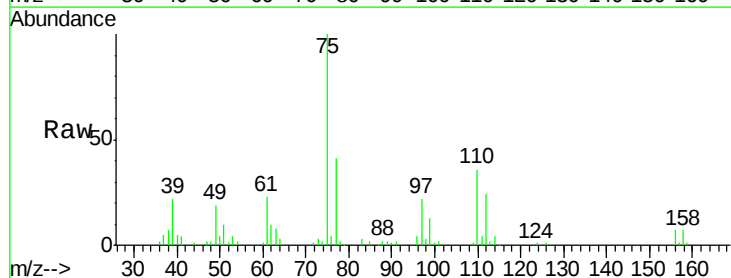
Manual Integrations
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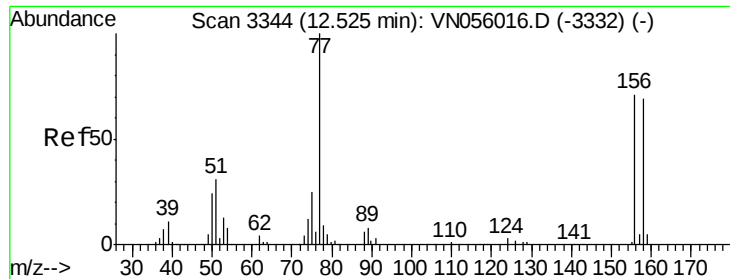
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#72
 1,2,3-Trichloropropane
 Concen: 20.322 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	75	Resp	66274
Ion Ratio	100	Lower	Upper
75	100		
77	174.6	0.0	350.0





#73

Bromobenzene

Concen: 20.004 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

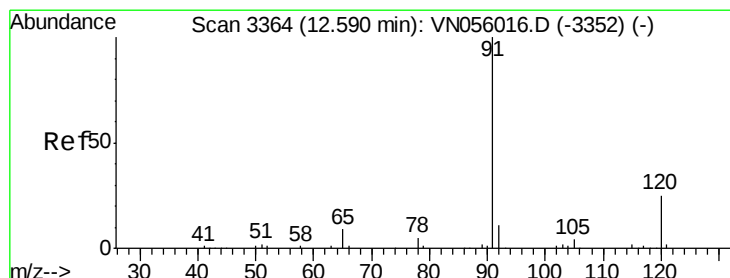
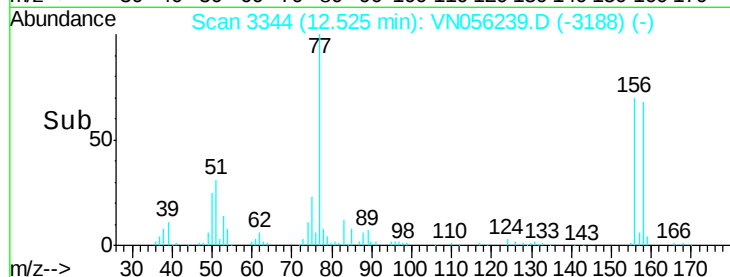
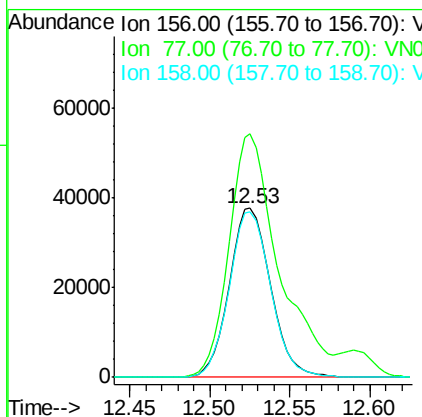
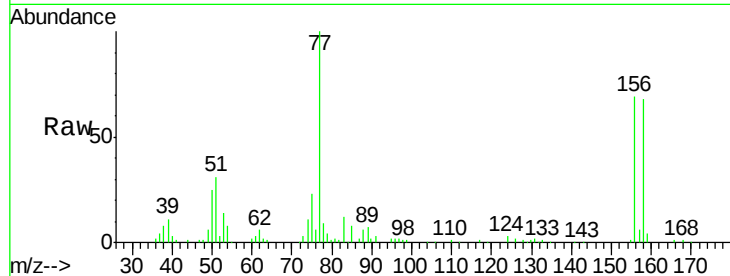
ClientSampleId :

VN0612WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		66342		
77	174.5	0.0	350.8		
158	98.3	0.0	193.2		

Manual Integrations
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#74

n-propylbenzene

Concen: 19.695 ug/l

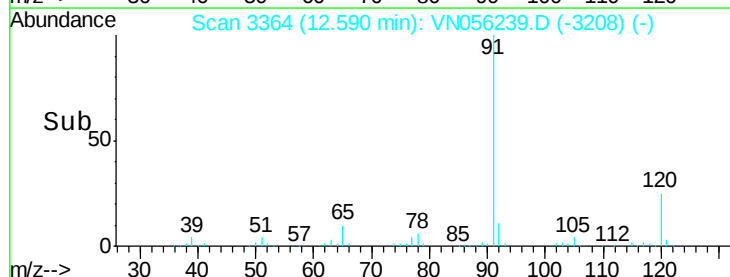
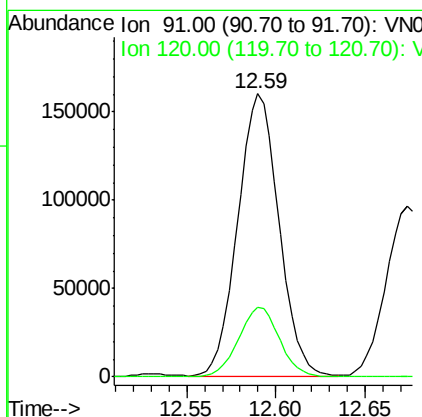
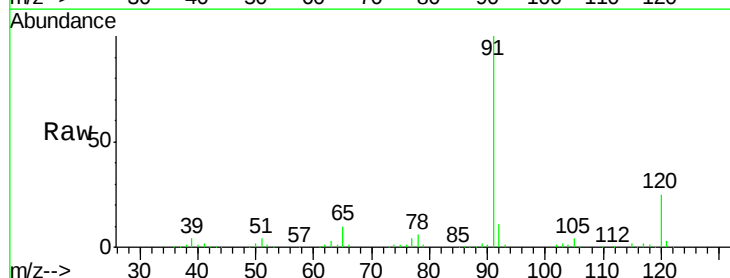
RT: 12.59 min Scan# 3364

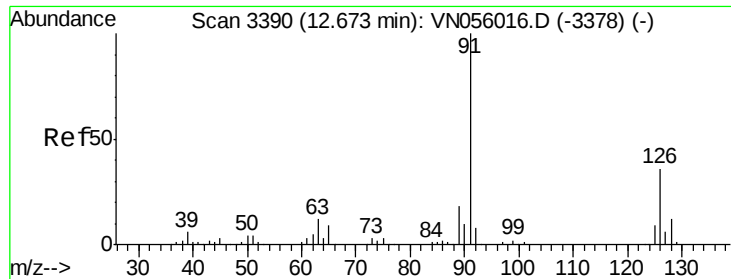
Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		259697		
120	24.5	0.0	48.6		





#75

2-Chlorotoluene

Concen: 19.944 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

Tot Ion: 91 Resp: 163112

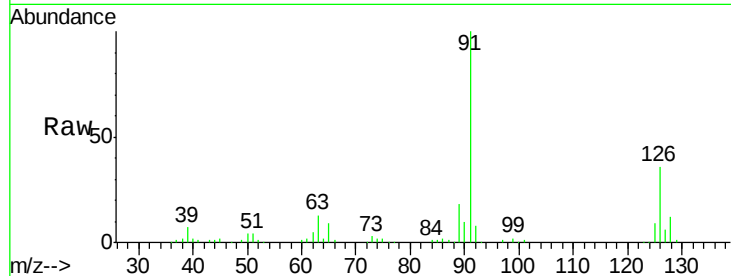
Ion Ratio Lower Upper

91 100

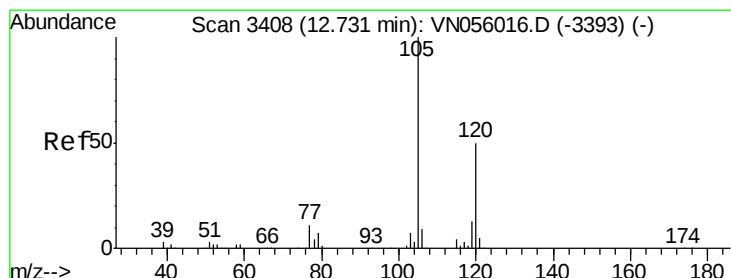
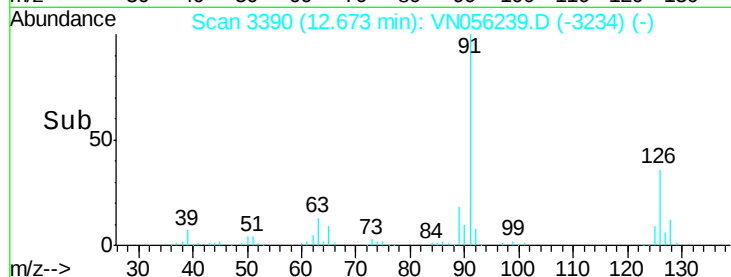
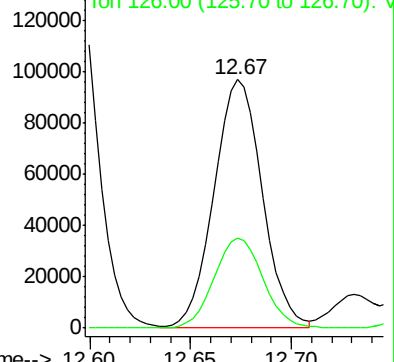
126 36.6 0.0 72.4

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Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.271 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056239.D

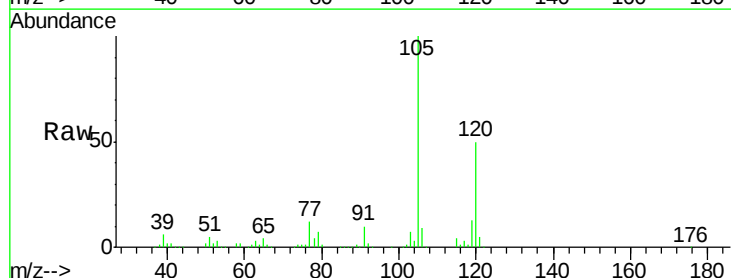
Acq: 12 Jun 2019 10:47

Tgt Ion: 105 Resp: 208343

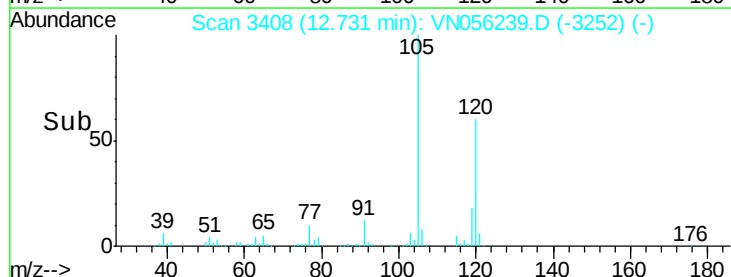
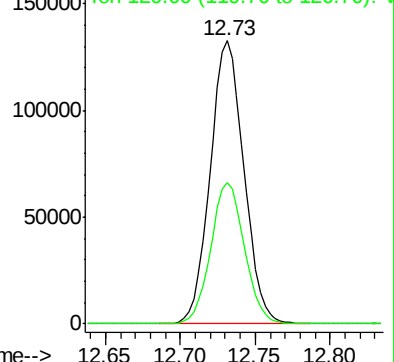
Ion Ratio Lower Upper

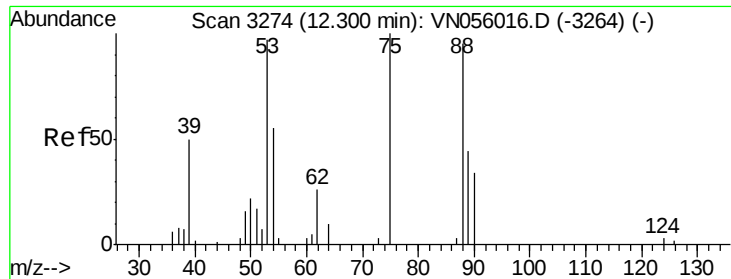
105 100

120 49.7 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.153 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBS01

Tot Ion: 75 Resp: 16892

Ion Ratio Lower Upper

75 100

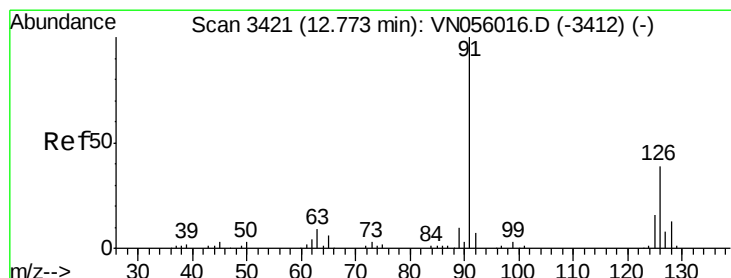
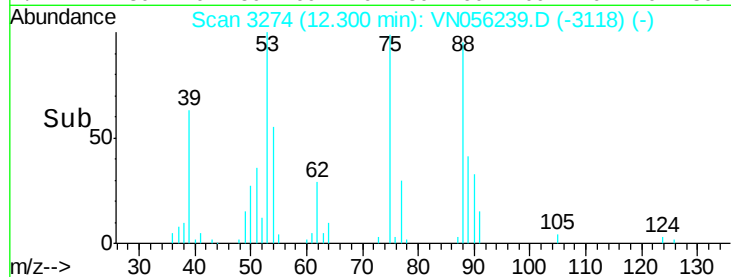
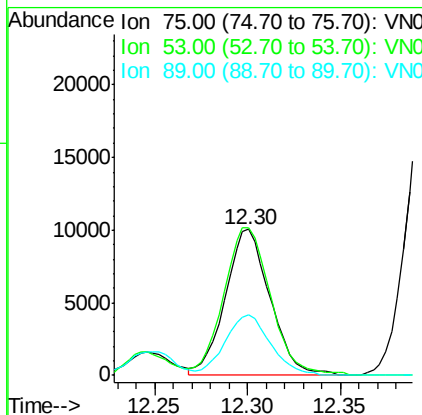
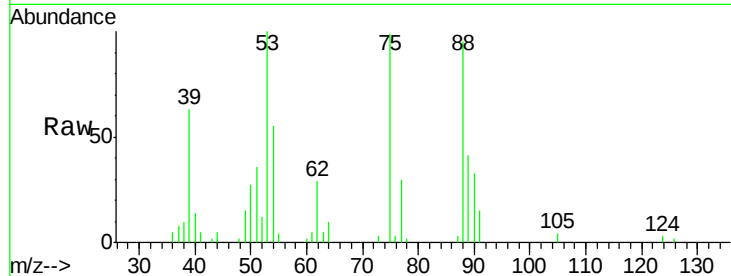
53 99.6 48.0 144.0

89 41.5 22.5 67.5

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#78

4-Chlorotoluene

Concen: 18.888 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056239.D

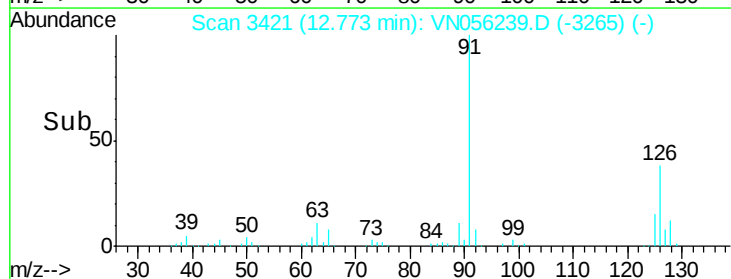
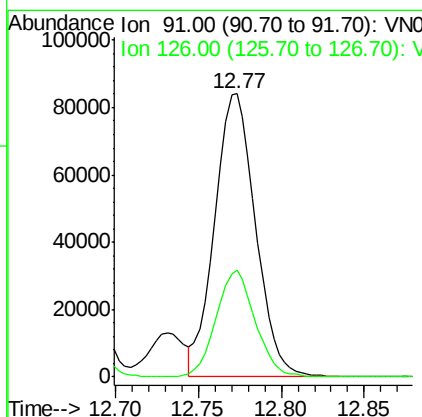
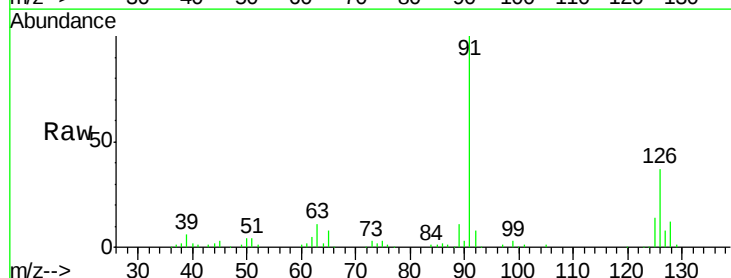
Acq: 12 Jun 2019 10:47

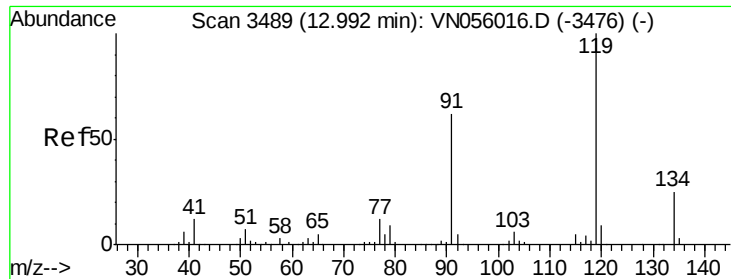
Tgt Ion: 91 Resp: 144272

Ion Ratio Lower Upper

91 100

126 36.0 0.0 71.8





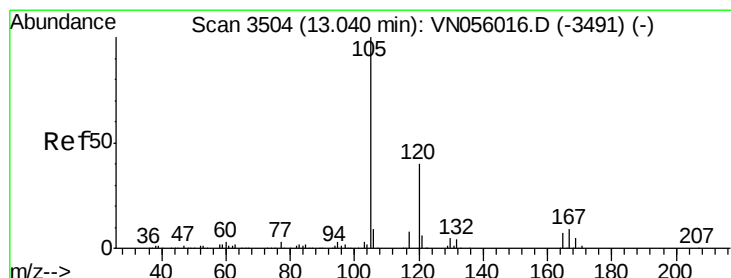
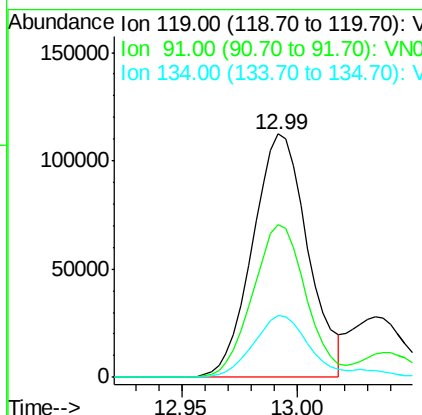
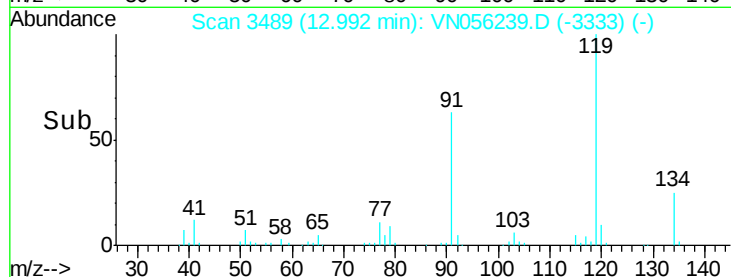
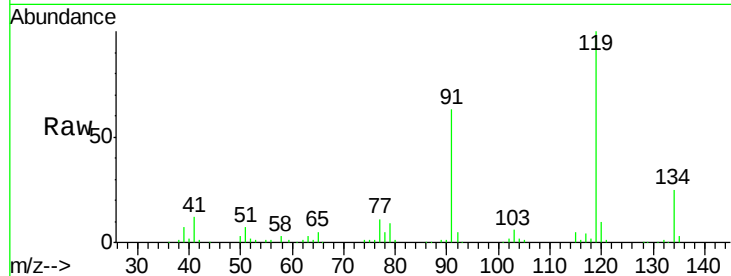
#79
tert-butylbenzene
Concen: 20.477 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186455		
91	61.1	0.0	122.8	
134	25.2	0.0	50.2	

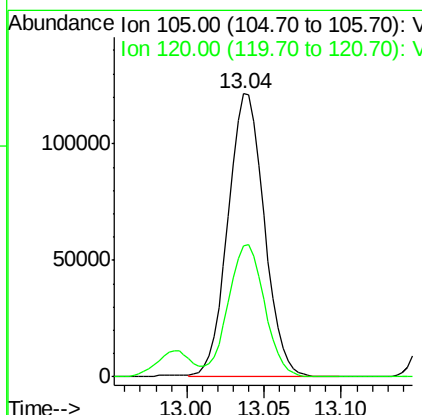
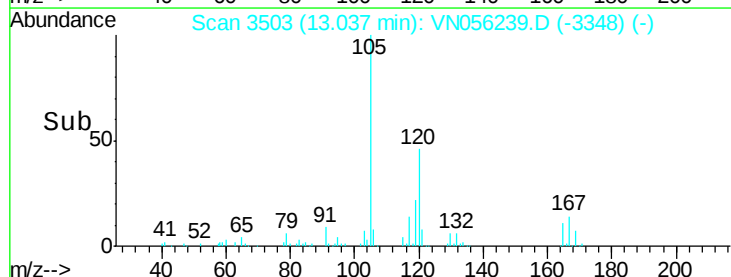
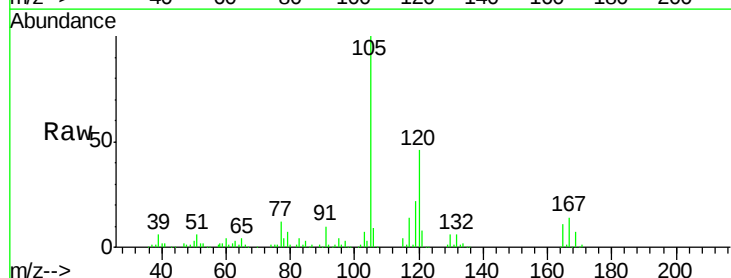
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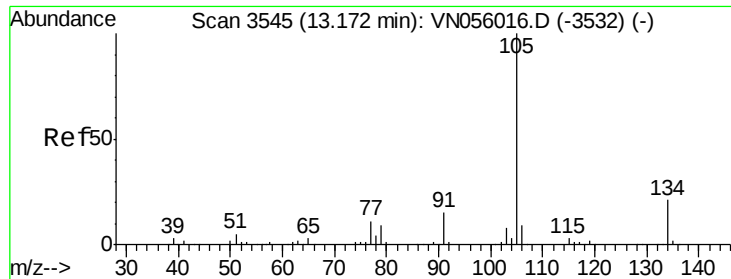
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.818 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	198146		
120	46.2	0.0	93.4	





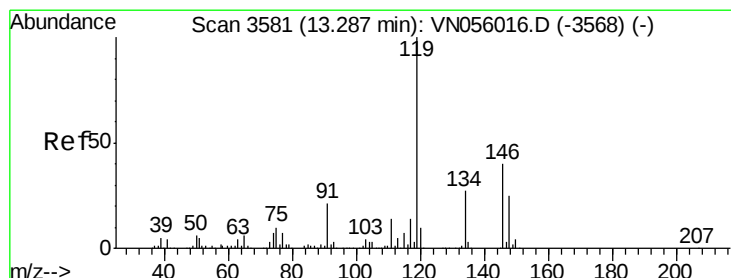
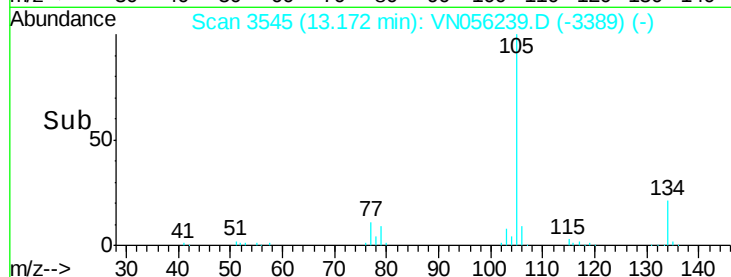
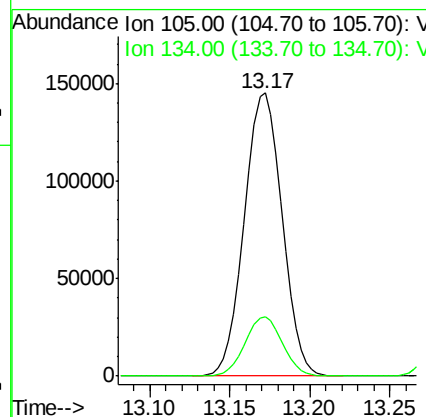
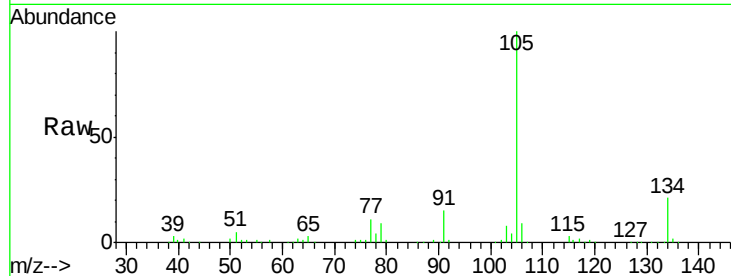
#81
 sec-Butylbenzene
 Concen: 20.309 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	233945		
134	20.7	0.0	41.8	

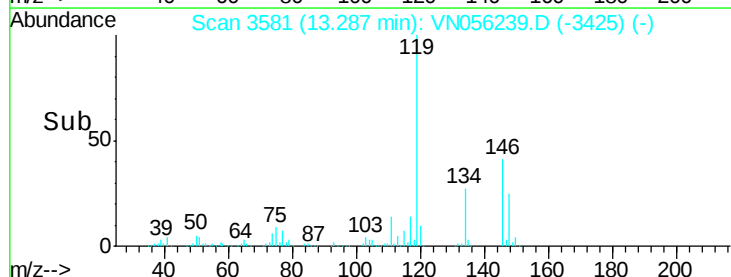
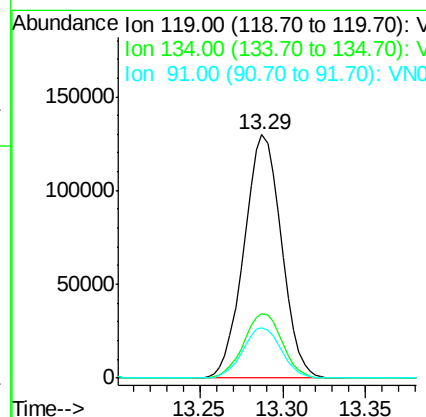
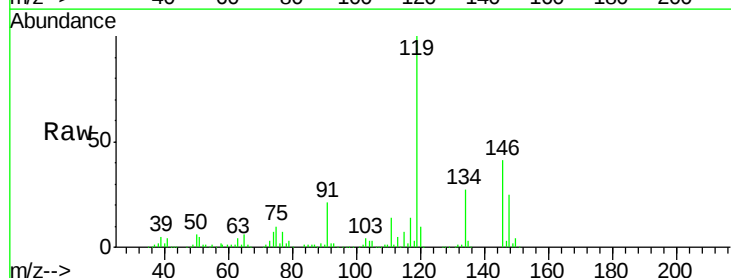
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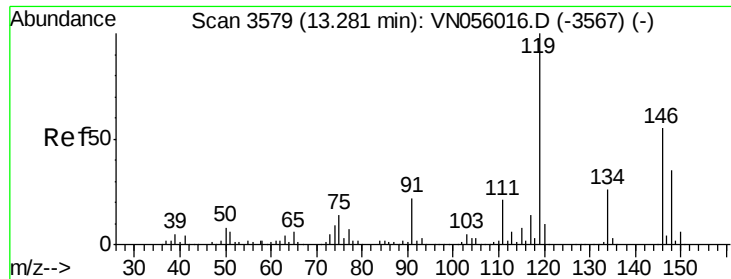
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#82
 p-Isopropyltoluene
 Concen: 19.589 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	204015		
134	27.2	0.0	53.4	
91	21.4	0.0	43.0	





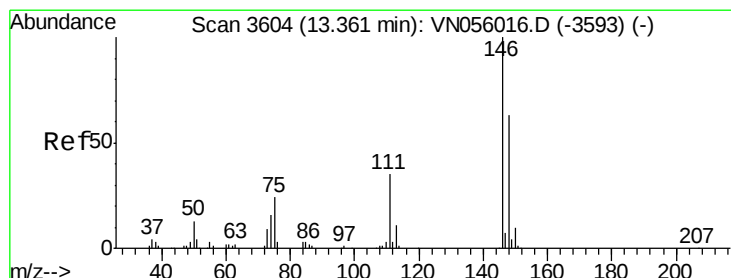
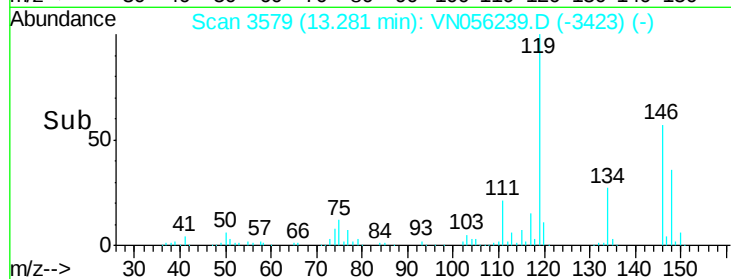
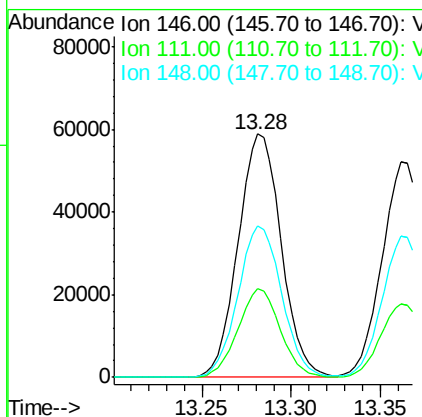
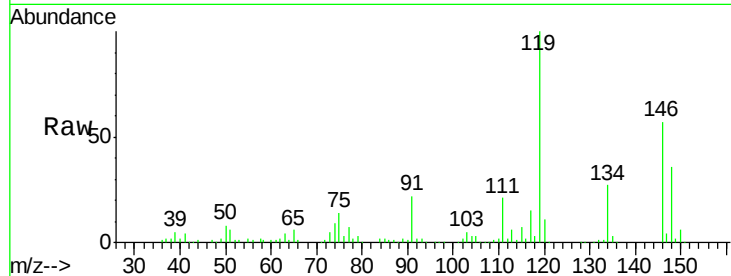
#83
 1,3-Dichlorobenzene
 Concen: 19.216 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.2	54.6
148	63.1	31.9	95.9

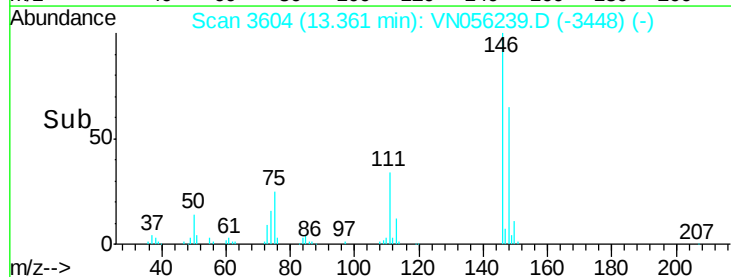
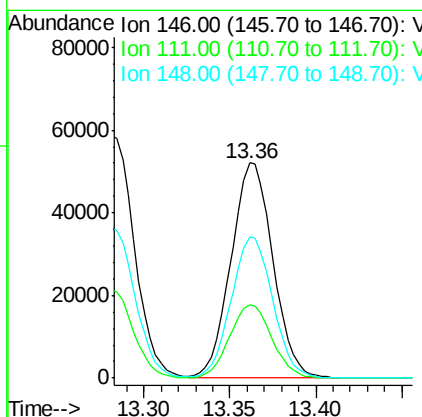
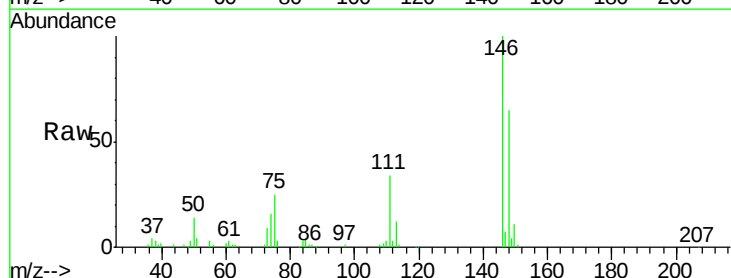
Manual Integrations
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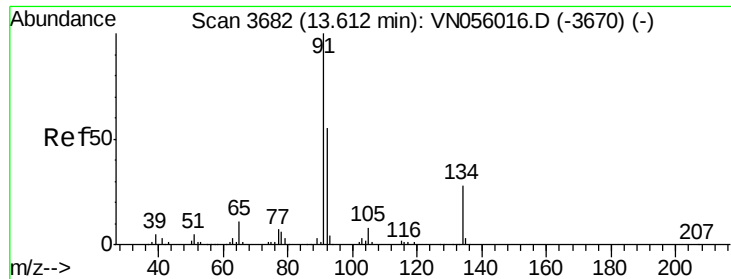
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#84
 1,4-Dichlorobenzene
 Concen: 17.831 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	17.6	52.9
148	65.4	32.1	96.3





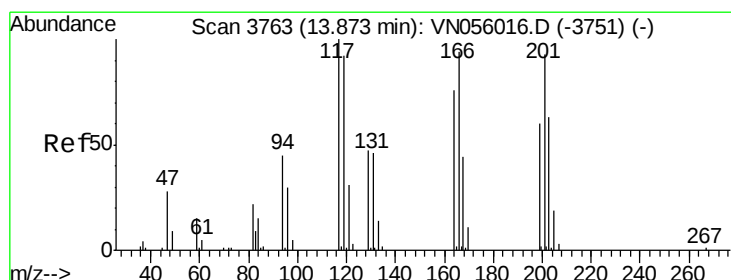
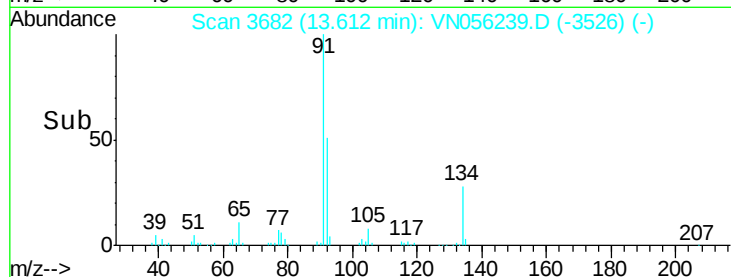
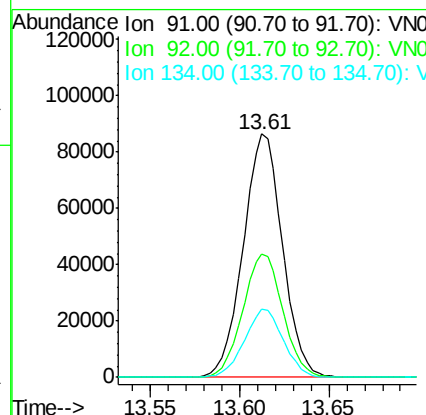
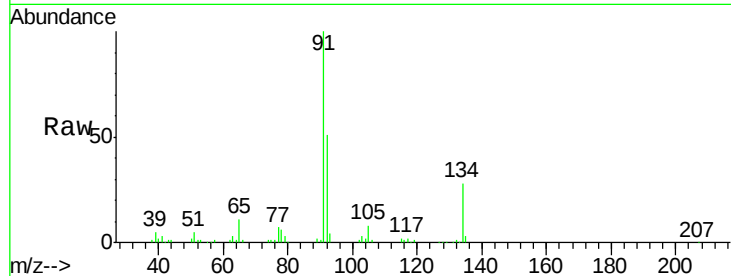
#85
n-Butylbenzene
Concen: 17.096 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	132885		
92	51.7	0.0	107.2	
134	27.8	0.0	55.8	

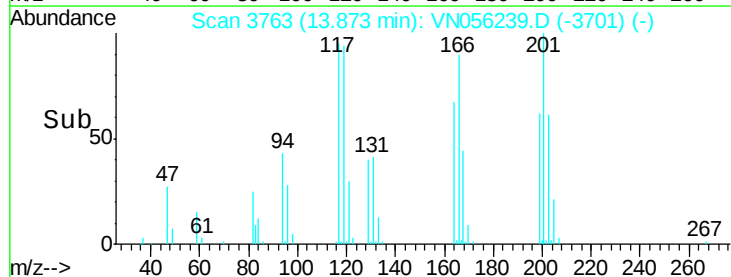
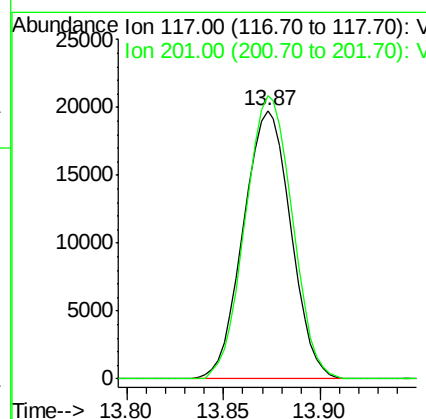
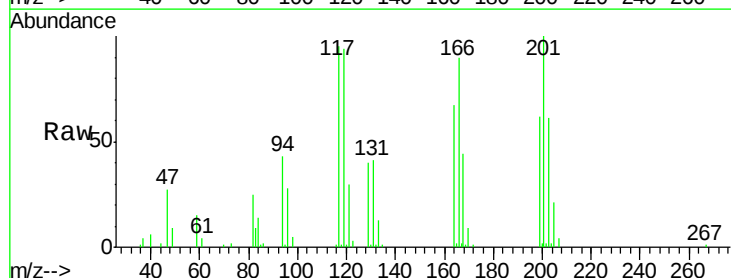
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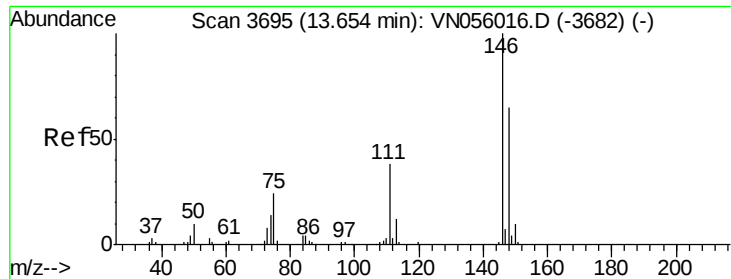
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#86
Hexachloroethane
Concen: 20.815 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33796		
201	104.5	48.1	144.4	





#87

1,2-Dichlorobenzene

Concen: 19.302 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Instrument :

MSVOA_N

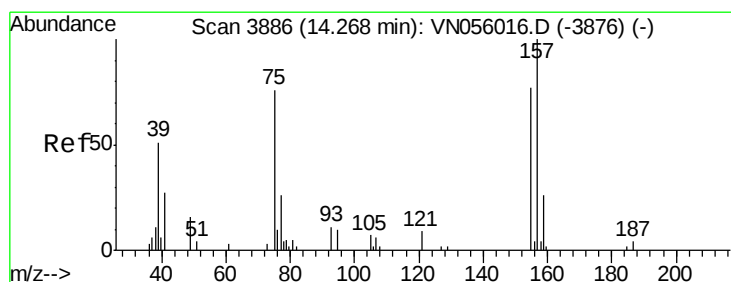
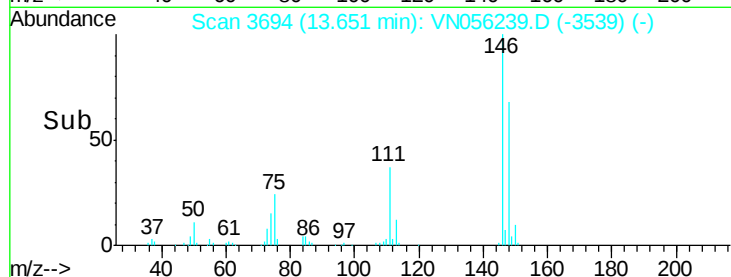
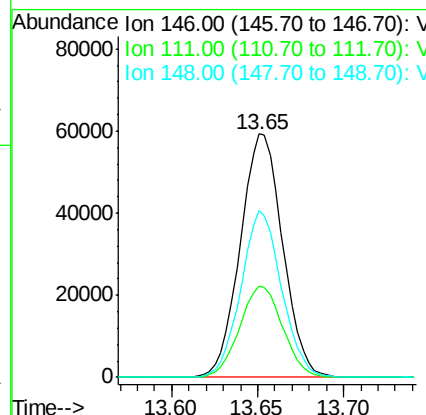
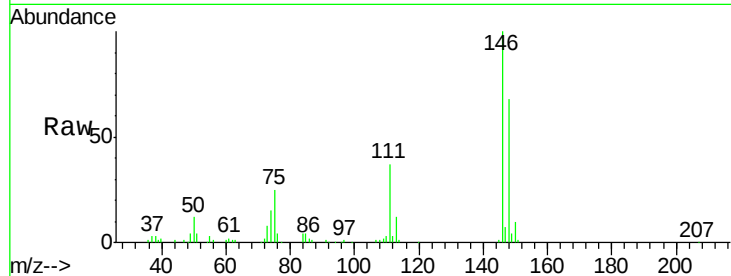
ClientSampleId :

VN0612WBS01

Tot Ion:	146	Resp:	101404
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.3	57.9
148	65.7	32.6	97.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.967 ug/l

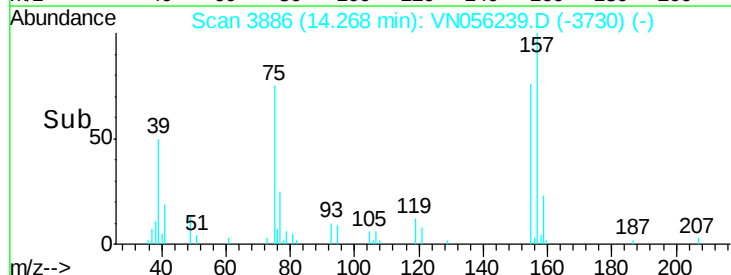
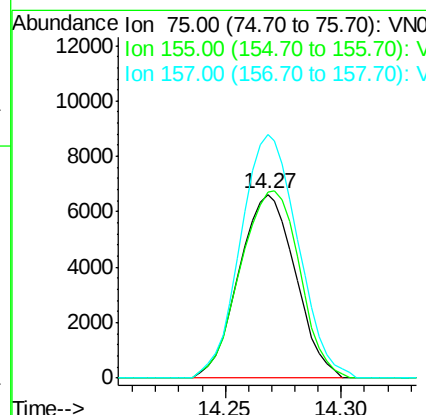
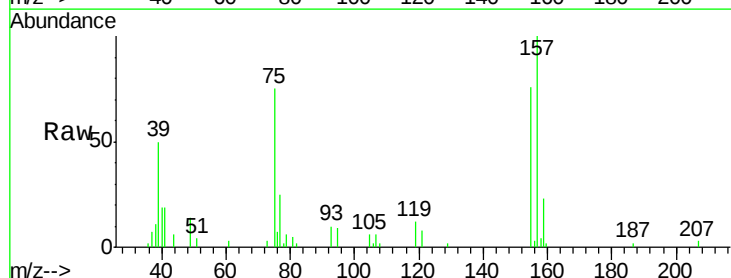
RT: 14.27 min Scan# 3886

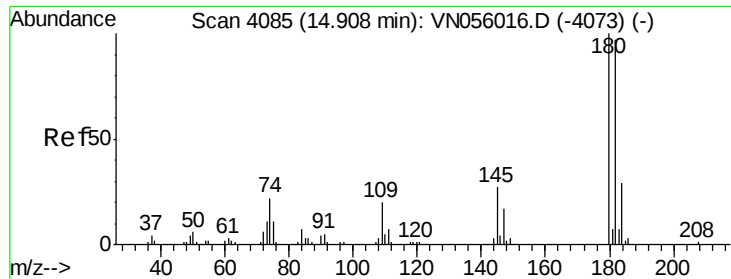
Delta R.T. 0.00 min

Lab File: VN056239.D

Acq: 12 Jun 2019 10:47

Tgt Ion:	75	Resp:	11216
Ion Ratio	Lower	Upper	
75	100		
155	107.1	82.5	123.7
157	134.6	105.1	157.7





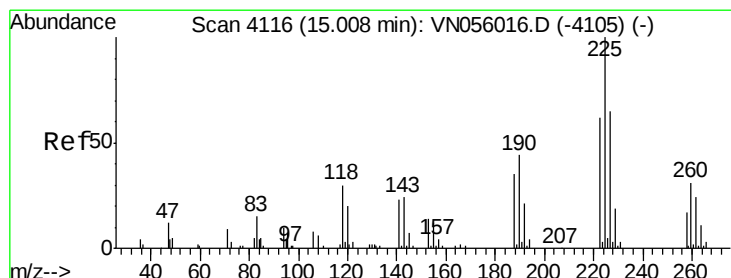
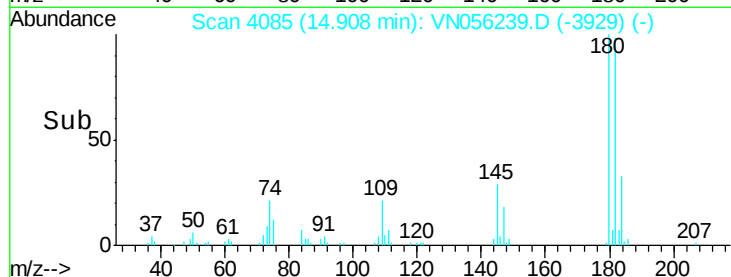
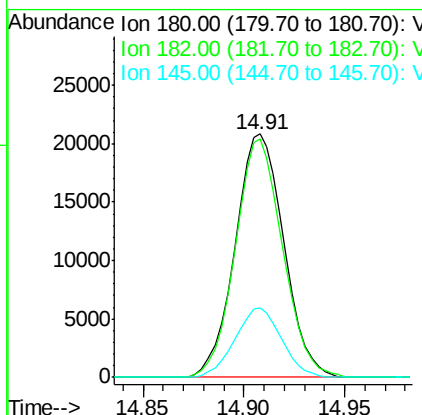
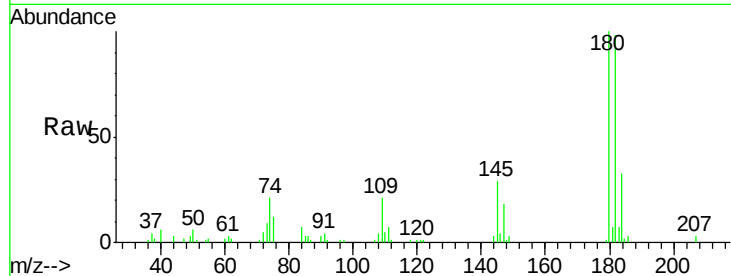
#89
 1,2,4-Trichlorobenzene
 Concen: 18.101 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.0	112.6
145	27.3	22.1	33.1

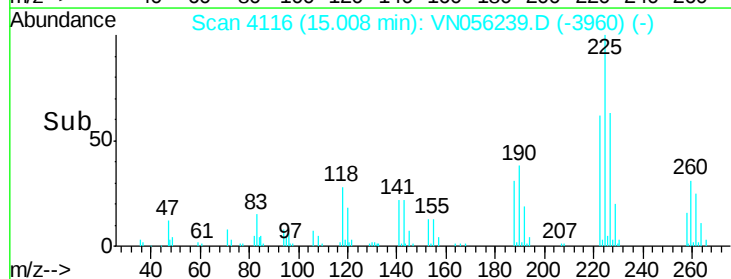
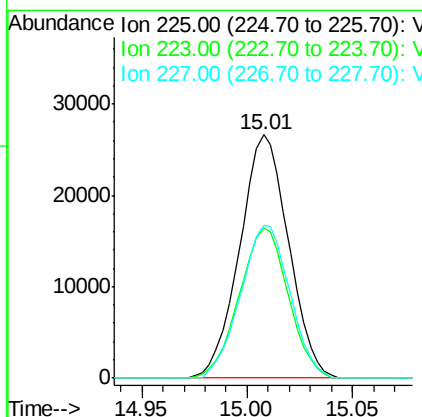
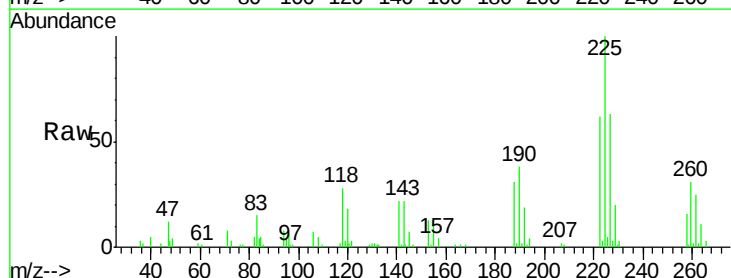
Manual Integrations
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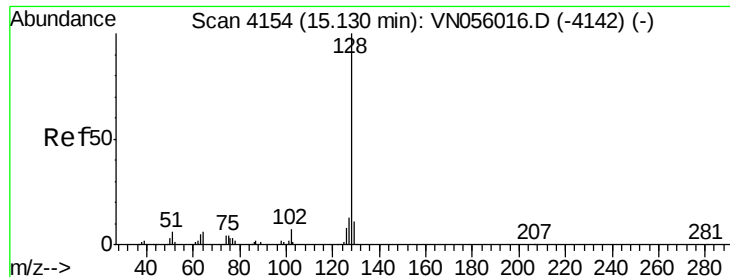
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#90
 Hexachlorobutadiene
 Concen: 22.323 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056239.D
 Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	125.6
227	63.2	0.0	128.6





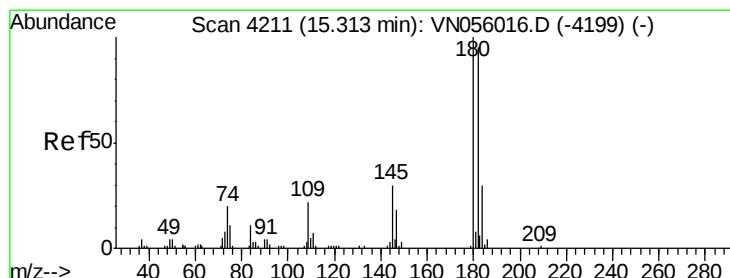
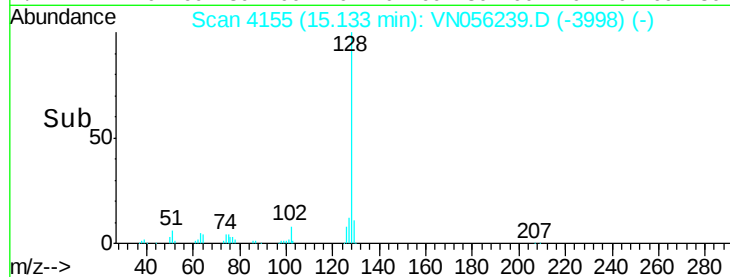
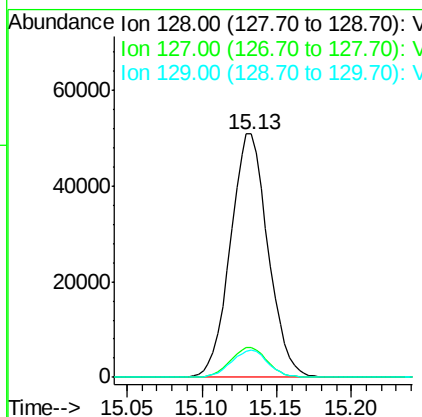
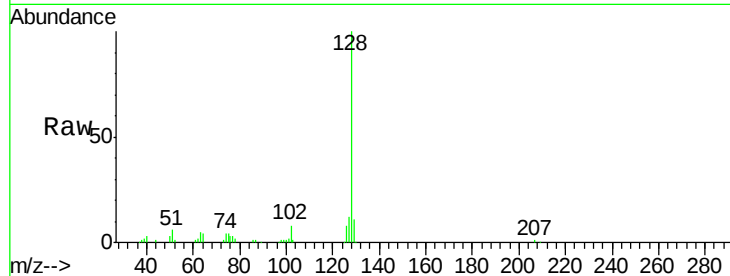
#91
Naphthalene
Concen: 12.761 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 15.545 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056239.D
Acq: 12 Jun 2019 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	193.4
145	28.2	0.0	59.8

