

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059334.D
 Acq On : 21 Nov 2019 14:44
 Operator : JC/SP
 Sample : VN1121MBS02
 Misc : 3.31g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS02

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:12:10 PM

Quant Time: Nov 22 06:28:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	396115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	626322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	552163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	220647	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	7.57	113	176672	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
50) Toluene-d8	10.08	98	701890	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
62) 4-Bromofluorobenzene	12.40	95	242802	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	83831	16.531	ug/l	100
3) Chloromethane	2.04	50	101280	16.303	ug/l	97
4) Vinyl Chloride	2.17	62	106012	16.574	ug/l	100
5) Bromomethane	2.55	94	59338	16.710	ug/l	97
6) Chloroethane	2.68	64	55204	15.814	ug/l	98
7) Trichlorofluoromethane	3.00	101	108581	15.764	ug/l	98
8) Diethyl Ether	3.39	74	45920	16.308	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	67170	15.948	ug/l	98
10) Methyl Iodide	3.93	142	84705	16.182	ug/l	100
11) Tert butyl alcohol	4.75	59	74758	78.563	ug/l	100
12) 1,1-Dichloroethene	3.72	96	68733	16.077	ug/l	99
13) Acrolein	3.58	56	71704	82.548	ug/l	100
14) Allyl chloride	4.29	41	129623	16.230	ug/l	99
15) Acrylonitrile	4.96	53	201533	80.102	ug/l	99
16) Acetone	3.79	43	201996	94.788	ug/l	98
17) Carbon Disulfide	4.03	76	215691	16.193	ug/l	99
18) Methyl Acetate	4.30	43	117437	16.605	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	224072	16.227	ug/l	99
20) Methylene Chloride	4.52	84	77999	16.229	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	72347	15.967	ug/l	96
22) Diisopropyl ether	5.92	45	241330	16.049	ug/l	95
23) Vinyl Acetate	5.87	43	962039	81.357	ug/l	99
24) 1,1-Dichloroethane	5.82	63	139343	16.463	ug/l	99
25) 2-Butanone	6.81	43	277494	83.740	ug/l	98
26) 2,2-Dichloropropane	6.80	77	117570	16.042	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	82605	16.159	ug/l	100
28) Bromochloromethane	7.17	49	44432	14.633	ug/l	97
29) Tetrahydrofuran	7.19	42	180057	78.582	ug/l	99
30) Chloroform	7.35	83	134502	16.283	ug/l	98
31) Cyclohexane	7.64	56	134099	16.024	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	113902	16.140	ug/l	100
36) 1,1-Dichloropropene	7.77	75	102458	15.846	ug/l	99
37) Ethyl Acetate	6.91	43	108077	15.553	ug/l	98
38) Carbon Tetrachloride	7.75	117	98781	15.958	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	125260	16.065	ug/l	98
40) Benzene	8.02	78	309545	16.311	ug/l	100
41) Methacrylonitrile	7.15	41	42087m	13.643	ug/l	
42) 1,2-Dichloroethane	8.11	62	102678	16.360	ug/l	99
43) Isopropyl Acetate	8.15	43	165385	15.573	ug/l #	92
44) Trichloroethene	8.82	130	76642	15.935	ug/l	99
45) 1,2-Dichloropropane	9.10	63	81290	16.064	ug/l	98
46) Dibromomethane	9.20	93	50707	16.336	ug/l	99
47) Bromodichloromethane	9.39	83	99186	15.956	ug/l	100
48) Methyl methacrylate	9.19	41	72615	15.036	ug/l	97
49) 1,4-Dioxane	9.19	88	23726	326.884	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	520175	83.681	ug/l	100
52) Toluene	10.15	92	184879	16.202	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	113491	15.705	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	127039	16.201	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	73466	16.559	ug/l	96
56) Ethyl methacrylate	10.42	69	105091	15.603	ug/l	99
57) 1,3-Dichloropropane	10.70	76	125552	16.237	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	181280	82.689	ug/l	100
59) 2-Hexanone	10.75	43	378911	83.245	ug/l	99
60) Dibromochloromethane	10.90	129	74750	15.989	ug/l	99
61) 1,2-Dibromoethane	11.00	107	74607	16.162	ug/l	100
64) Tetrachloroethene	10.63	164	67543	15.816	ug/l	98
65) Chlorobenzene	11.43	112	189933	15.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	69327	16.073	ug/l	99
67) Ethyl Benzene	11.51	91	345992	16.321	ug/l	100
68) m/p-Xylenes	11.62	106	257897	32.740	ug/l	99
69) o-Xylene	11.95	106	125525	16.646	ug/l	97
70) Styrene	11.96	104	188753	15.863	ug/l	98
71) Bromoform	12.13	173	52105	15.951	ug/l #	99
73) Isopropylbenzene	12.25	105	329374	16.330	ug/l	100
74) N-amyl acetate	12.07	43	123783	15.271	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	108118	16.205	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	97910m	17.213	ug/l	
77) Bromobenzene	12.53	156	78803	16.108	ug/l	99
78) n-propylbenzene	12.59	91	374270	16.382	ug/l	100
79) 2-Chlorotoluene	12.68	91	223946	15.969	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	277651	16.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35312	15.527	ug/l	96
82) 4-Chlorotoluene	12.77	91	224756	15.488	ug/l	98
83) tert-Butylbenzene	12.99	119	237063	16.555	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	270805	16.305	ug/l	100
85) sec-Butylbenzene	13.18	105	313294	16.278	ug/l	100
86) p-Isopropyltoluene	13.29	119	280576	16.382	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	137139	15.741	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	133611	15.500	ug/l	96
89) n-Butylbenzene	13.62	91	235484	15.674	ug/l	100
90) Hexachloroethane	13.88	117	50031	15.425	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	134190	15.920	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20443	14.412	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	70222	15.546	ug/l	98
94) Hexachlorobutadiene	15.01	225	48774	16.061	ug/l	99
95) Naphthalene	15.13	128	181820	14.900	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	72079	15.377	ug/l	98

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

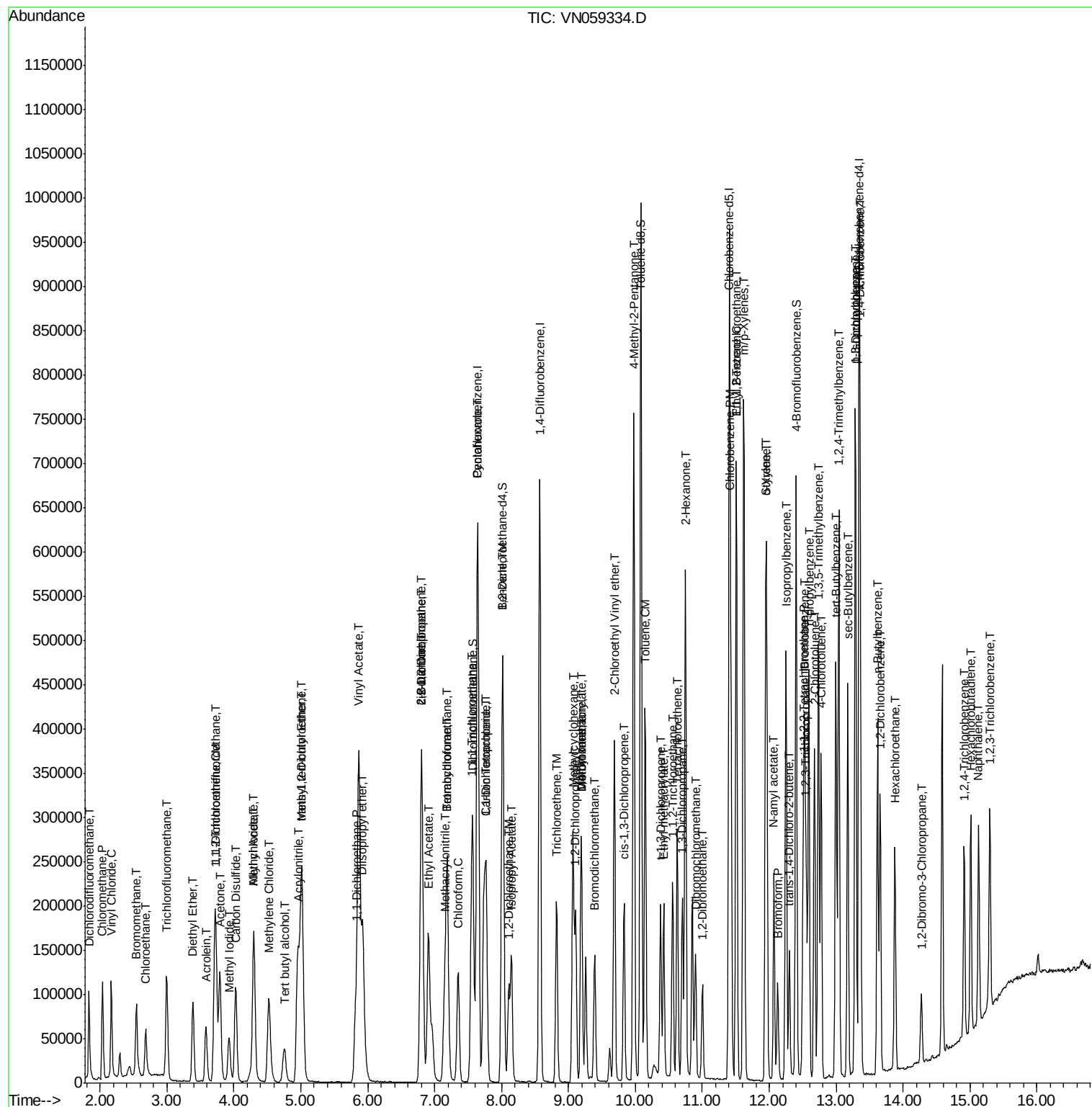
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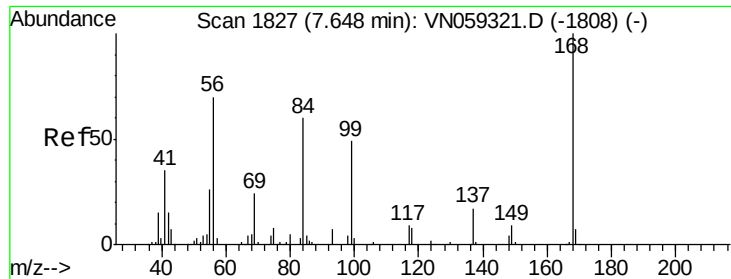
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion:168 Resp: 396115

Ion Ratio Lower Upper

168 100

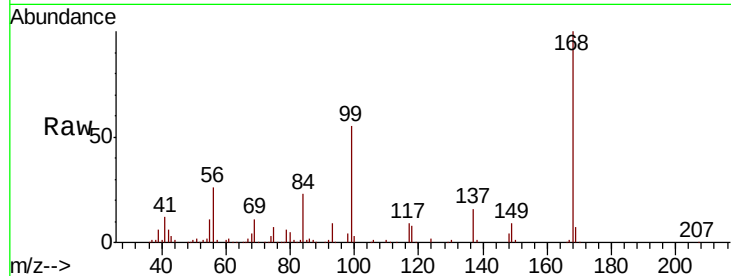
99 55.3 44.6 66.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

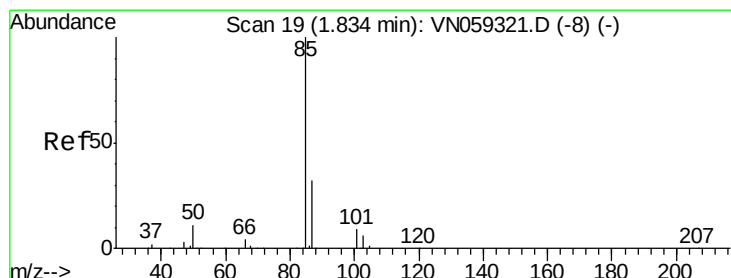
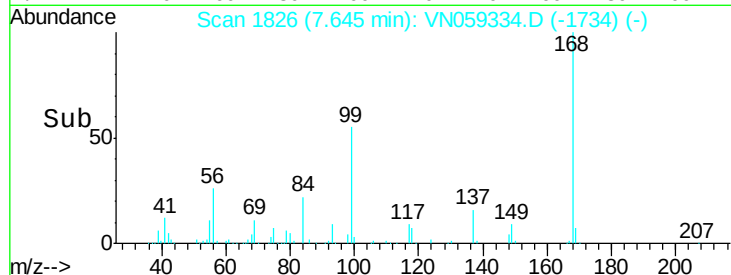
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.531 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059334.D

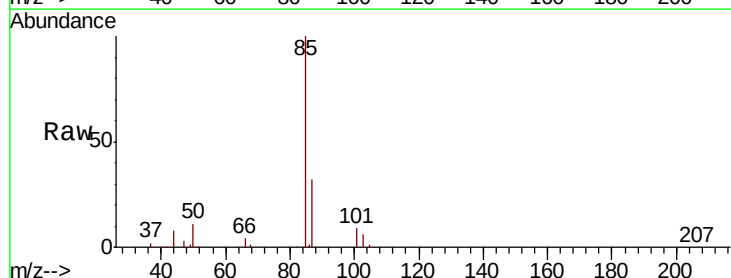
Acq: 21 Nov 2019 14:44

Tgt Ion: 85 Resp: 83831

Ion Ratio Lower Upper

85 100

87 32.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

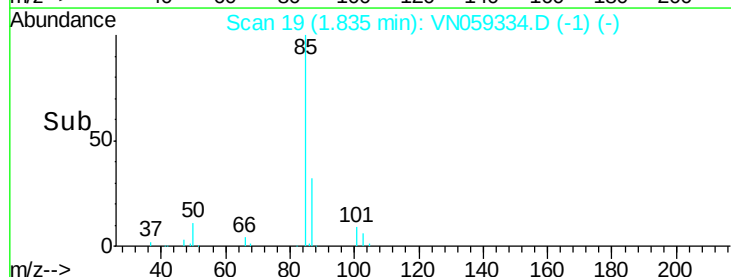
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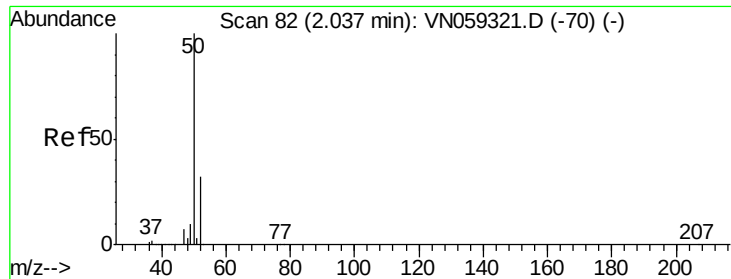
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.303 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion: 50 Resp: 101280

Ion Ratio Lower Upper

50 100

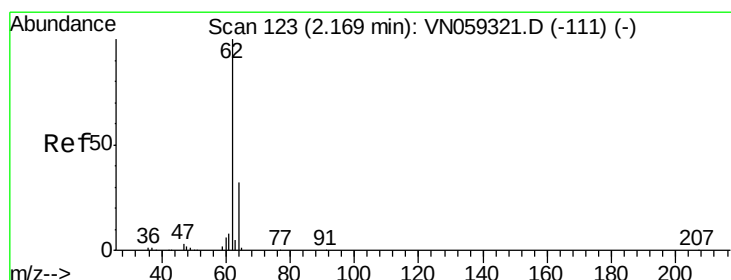
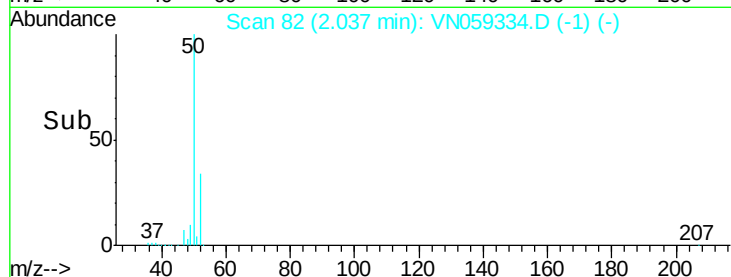
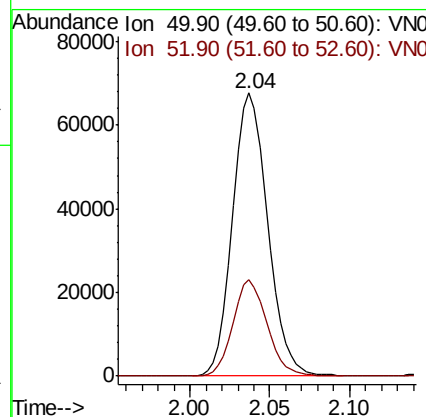
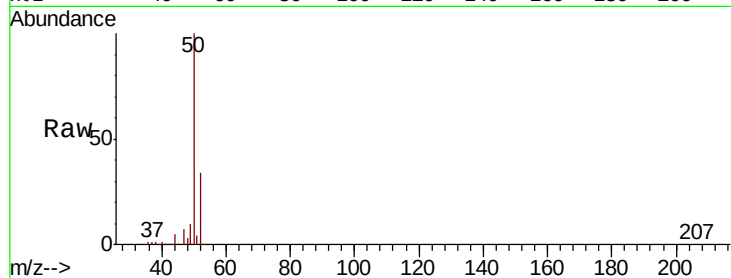
52 33.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.574 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059334.D

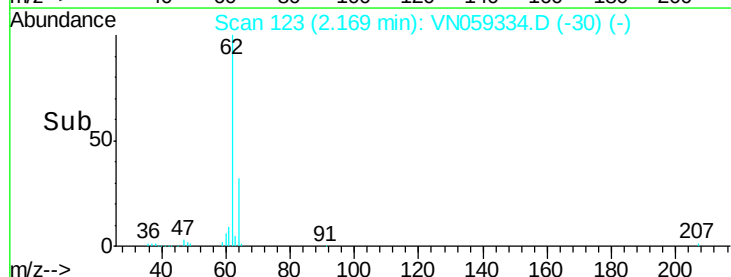
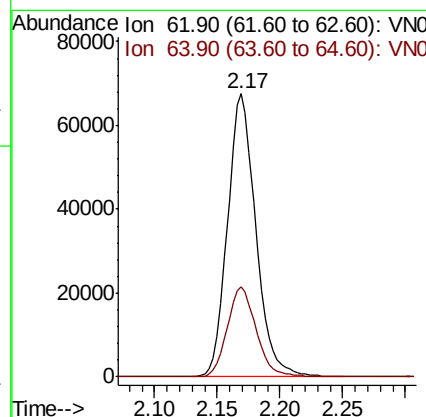
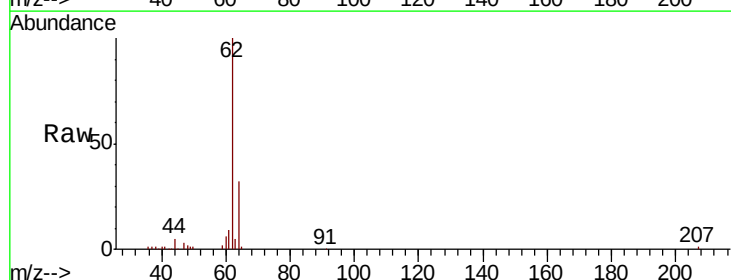
Acq: 21 Nov 2019 14:44

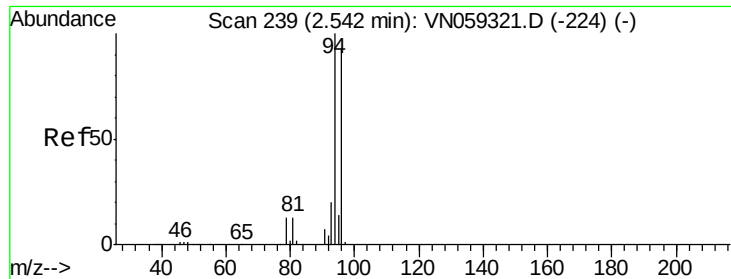
Tgt Ion: 62 Resp: 106012

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 16.710 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion: 94 Resp: 59338

Ion Ratio Lower Upper

94 100

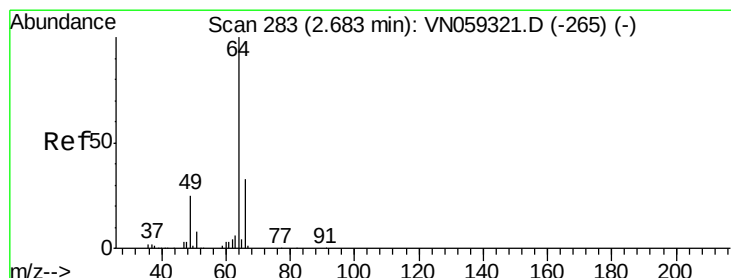
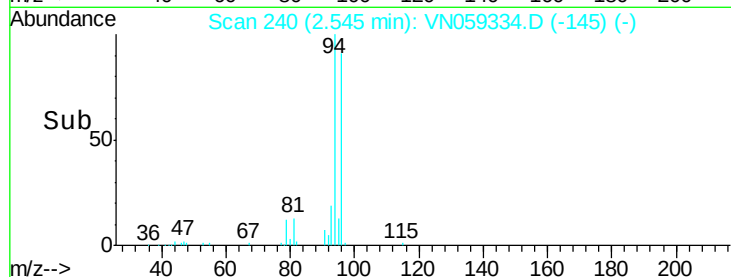
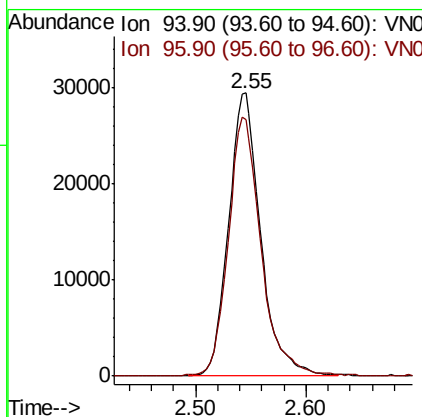
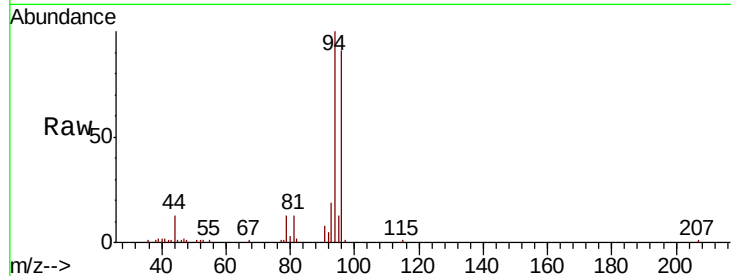
96 90.2 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 15.814 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059334.D

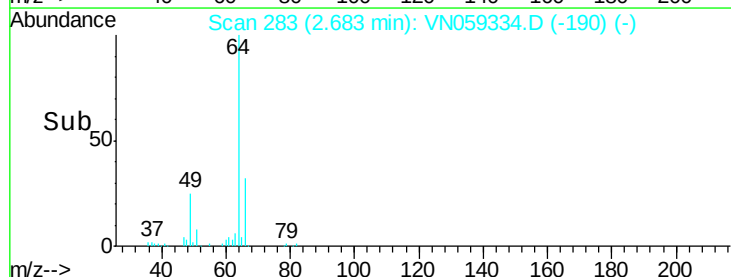
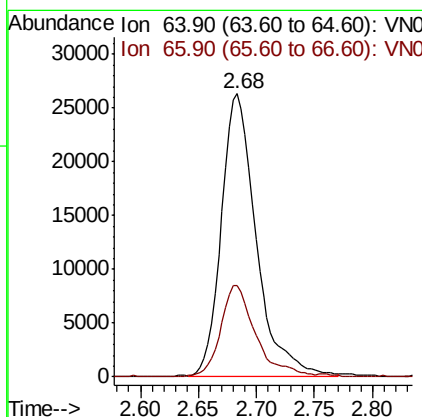
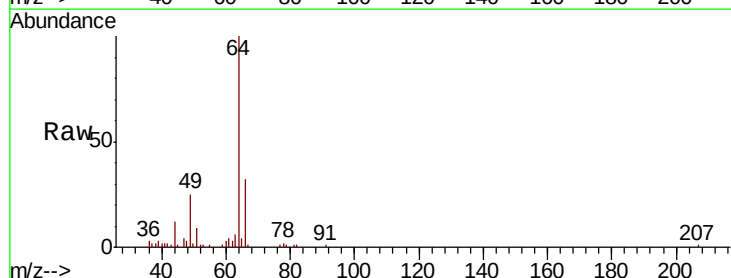
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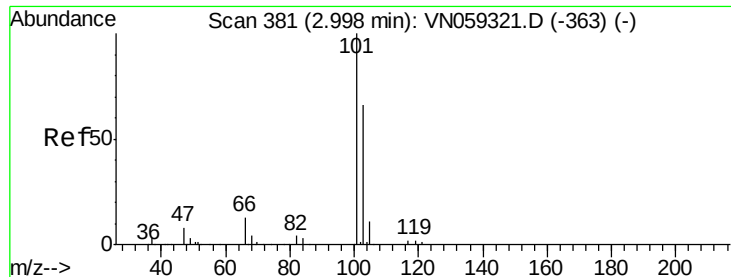
Tgt Ion: 64 Resp: 55204

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2





#7

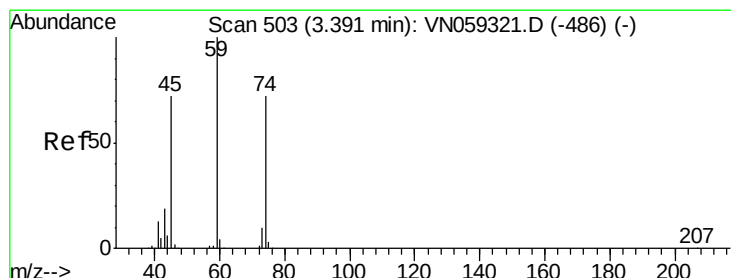
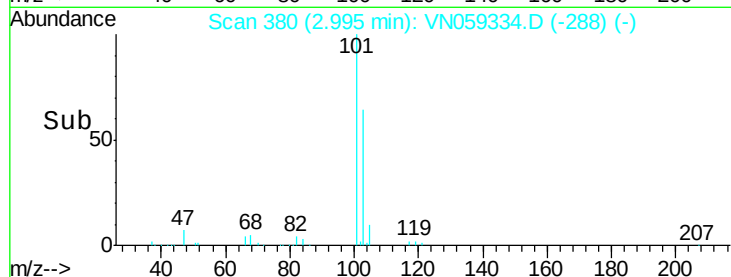
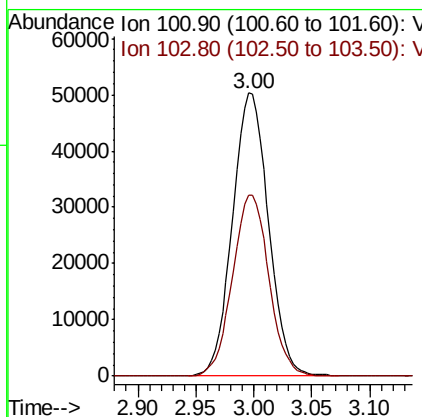
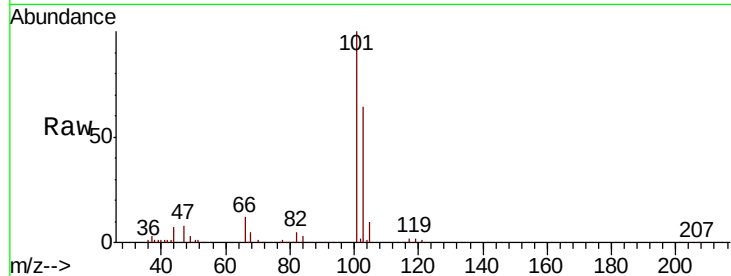
Trichlorofluoromethane
 Concen: 15.764 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.5	78.7

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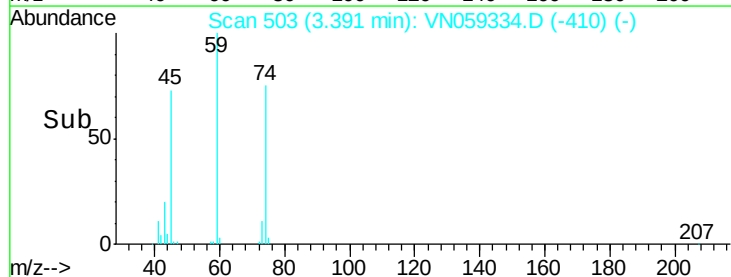
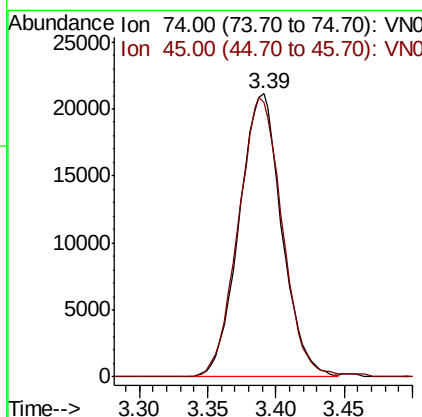
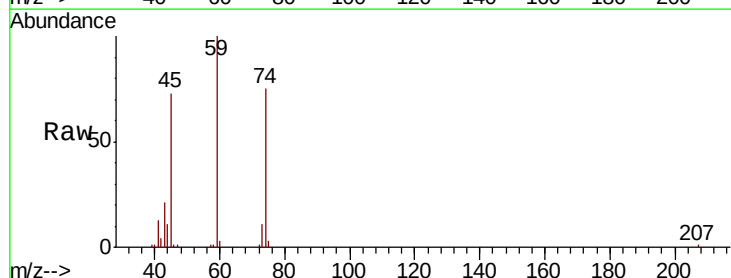
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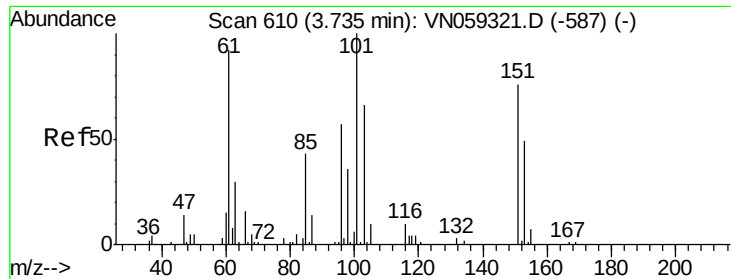


#8

Diethyl Ether
 Concen: 16.308 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.948 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

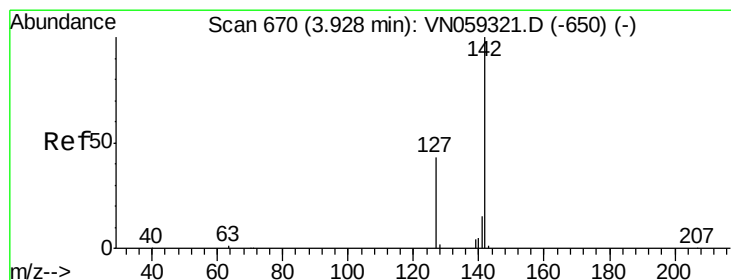
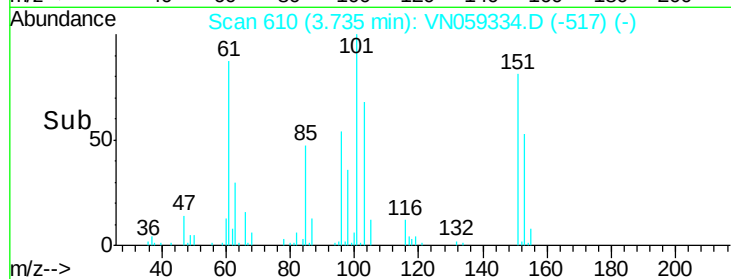
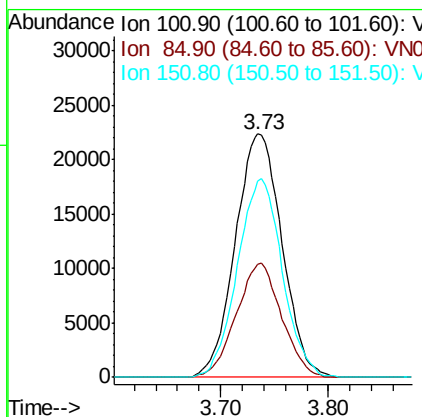
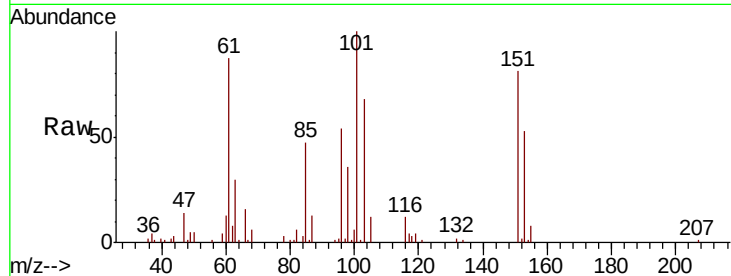
ClientSampleId :

VN1121MBS02

Tot Ion:	101	Resp:	67170
Ion Ratio	Lower	Upper	
101	100		
85	45.4	34.8	52.2
151	78.6	62.2	93.4

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#10

Methyl Iodide

Concen: 16.182 ug/l

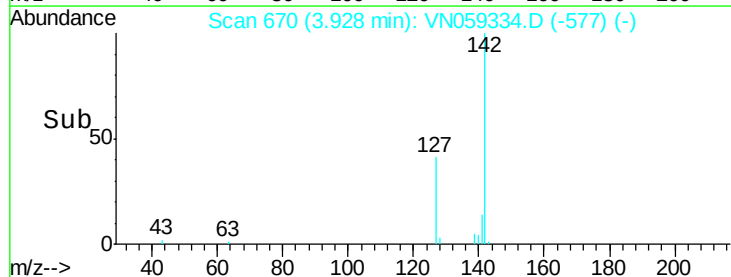
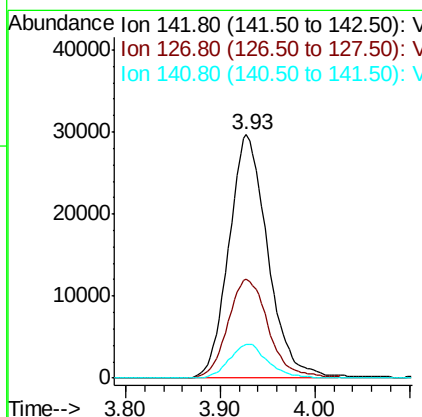
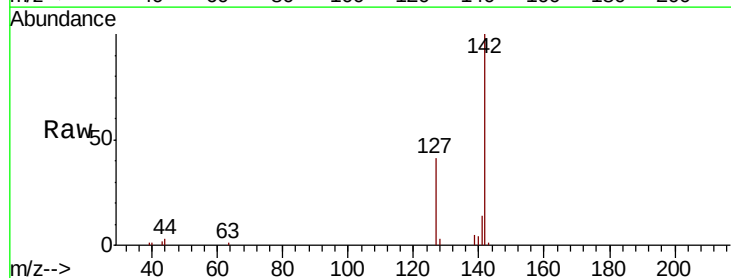
RT: 3.93 min Scan# 670

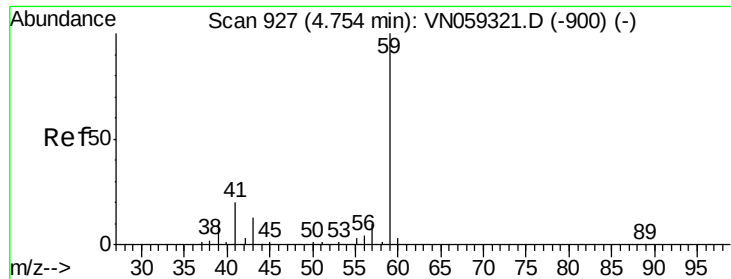
Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion:	142	Resp:	84705
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.8	50.6
141	13.7	11.2	16.8





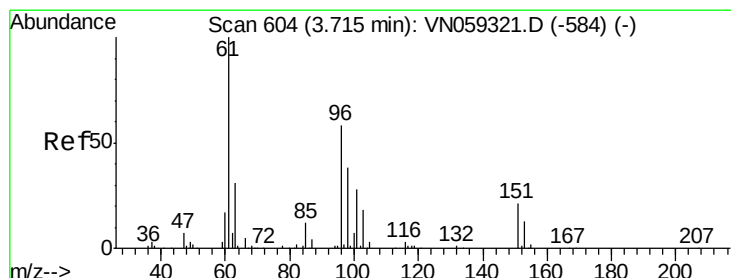
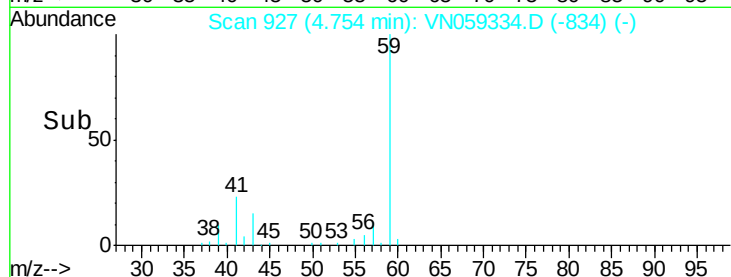
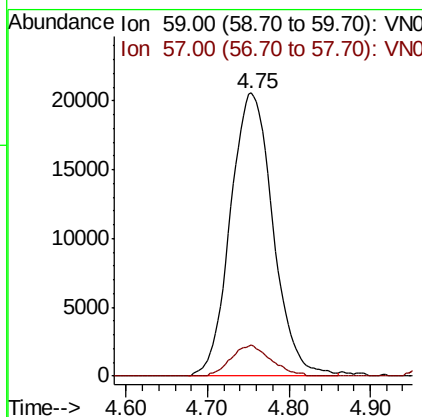
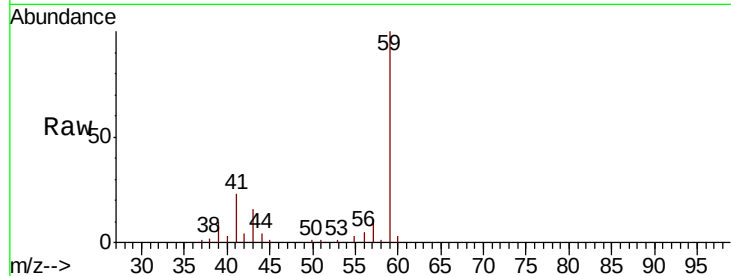
#11
Tert butyl alcohol
Concen: 78.563 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	59	57	Ratio	100	10.3	Resp	Lower	Upper
74758							8.2	12.2

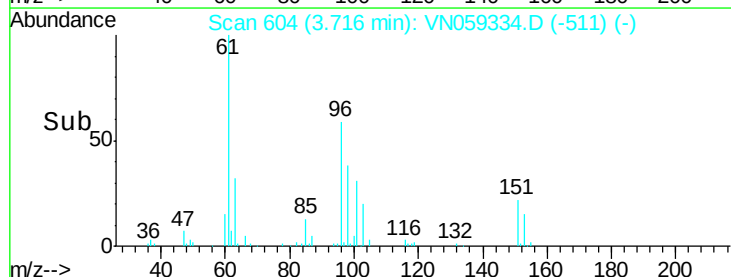
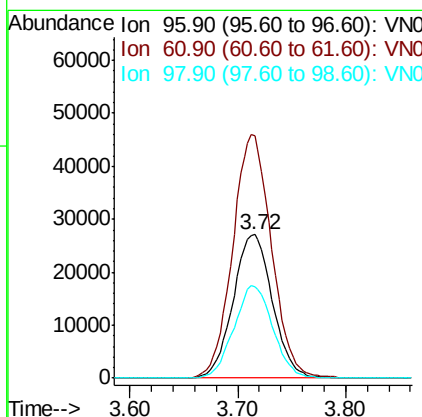
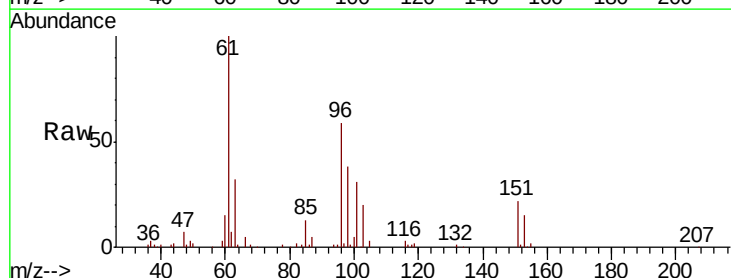
Manual Integrations
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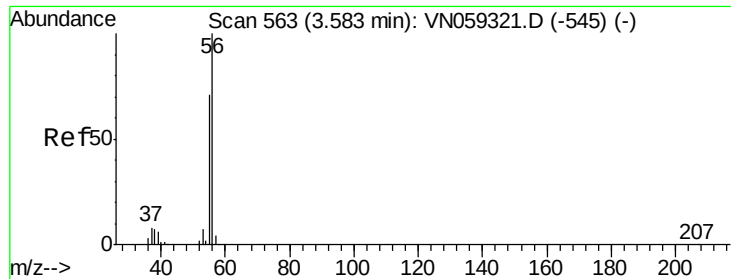
MMDadoda
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#12
1,1-Dichloroethene
Concen: 16.077 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	96	61	98	Ratio	100	169.2	64.1	Resp	Lower	Upper
68733									136.8	205.2





#13

Acrolein

Concen: 82.548 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion: 56 Resp: 71704

Ion Ratio Lower Upper

56 100

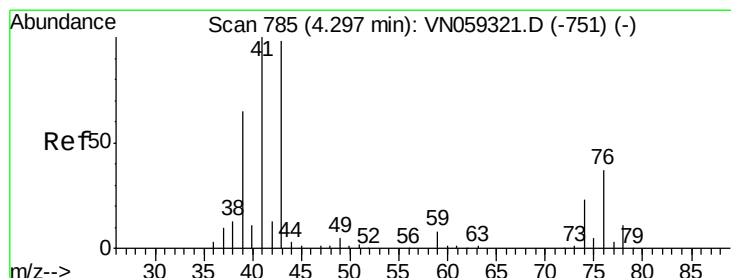
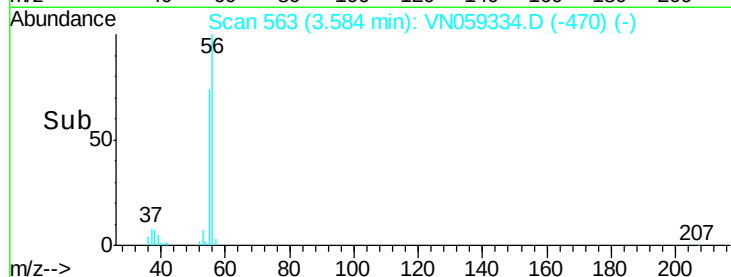
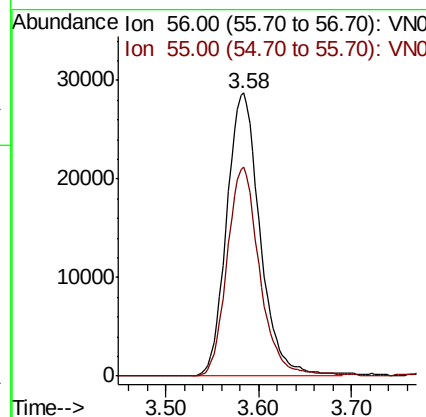
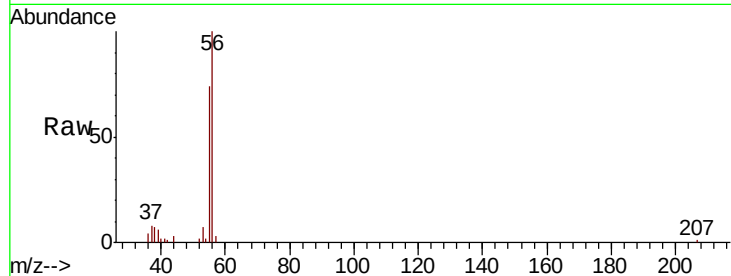
55 71.5 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 16.230 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

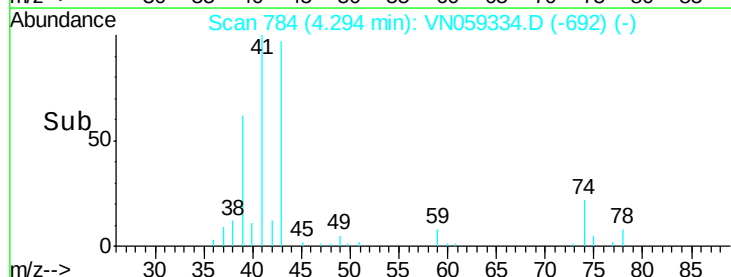
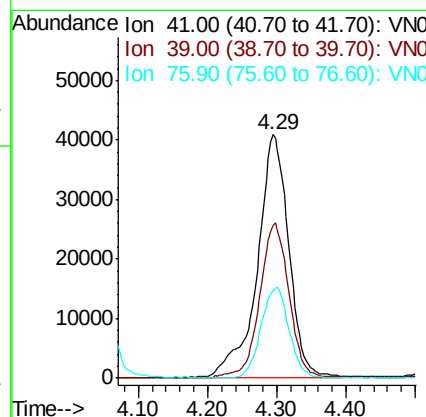
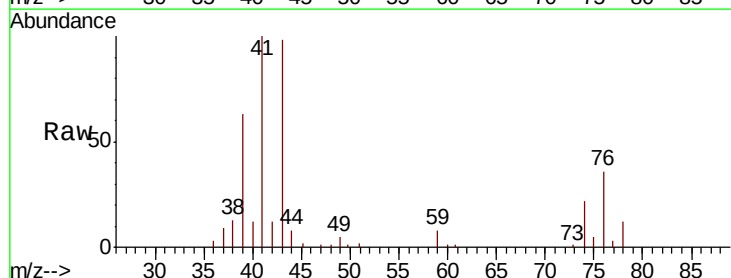
Tgt Ion: 41 Resp: 129623

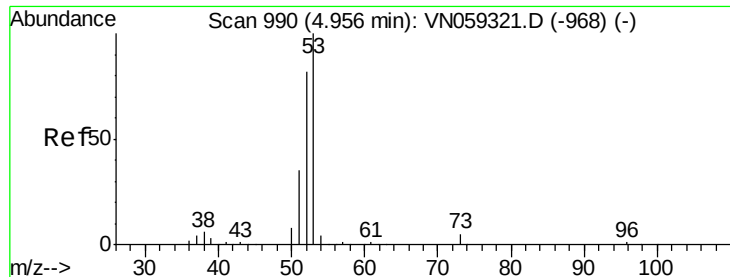
Ion Ratio Lower Upper

41 100

39 59.0 48.4 72.6

76 33.0 26.2 39.4





#15

Acrylonitrile

Concen: 80.102 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

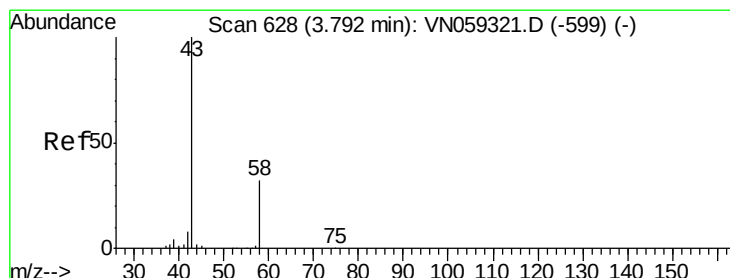
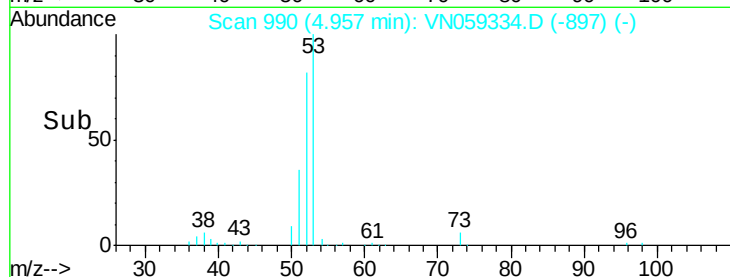
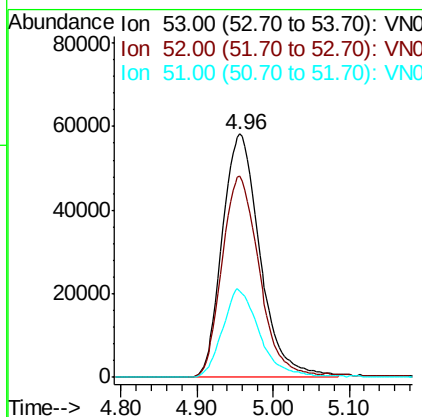
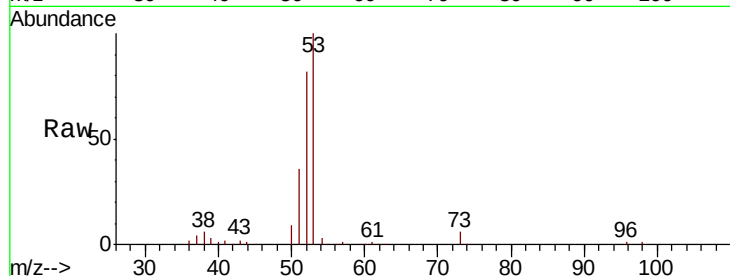
ClientSampleId :

VN1121MBS02

Tot Ion:	53	Resp:	201533
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.8	98.8
51	35.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 94.788 ug/l

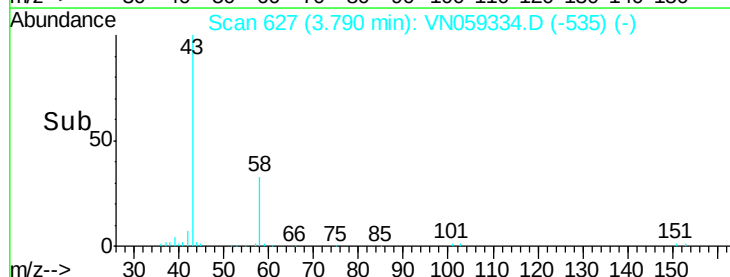
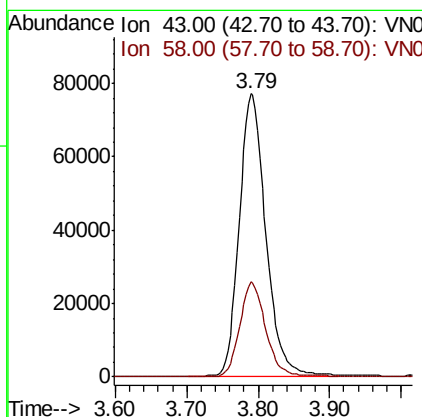
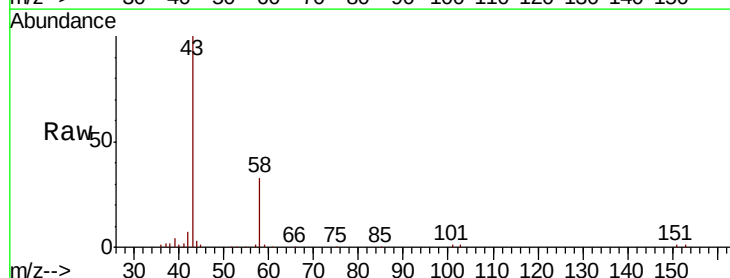
RT: 3.79 min Scan# 627

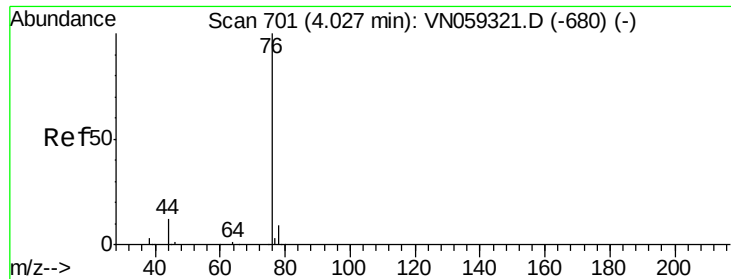
Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion:	43	Resp:	201996
Ion	Ratio	Lower	Upper
43	100		
58	33.4	25.8	38.6





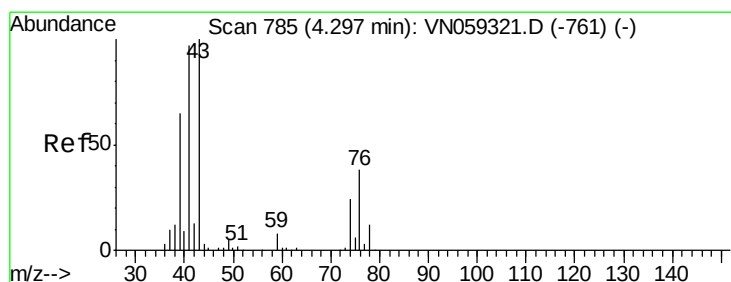
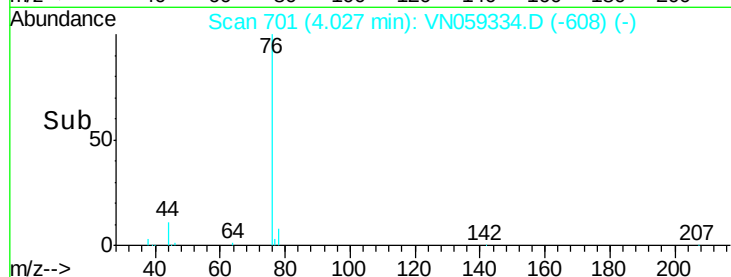
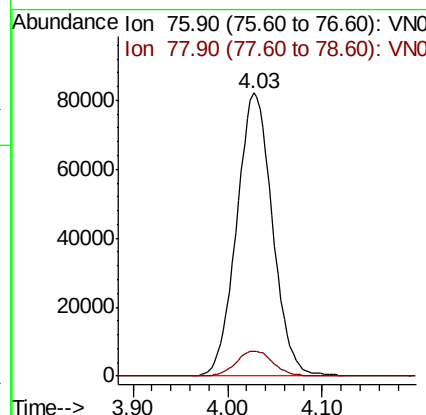
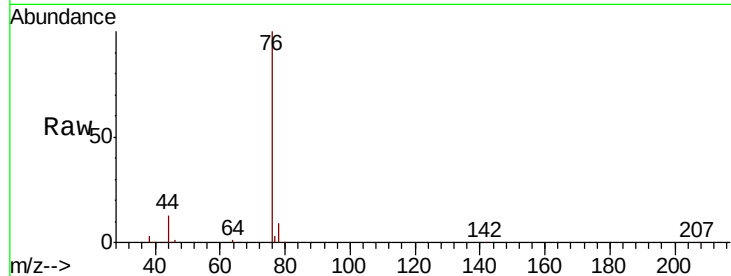
#17
Carbon Disulfide
Concen: 16.193 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion: 76 Resp: 215691
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

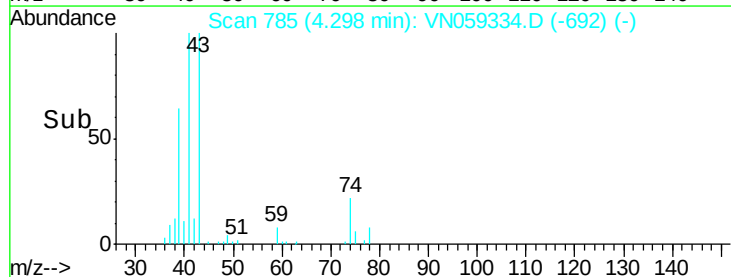
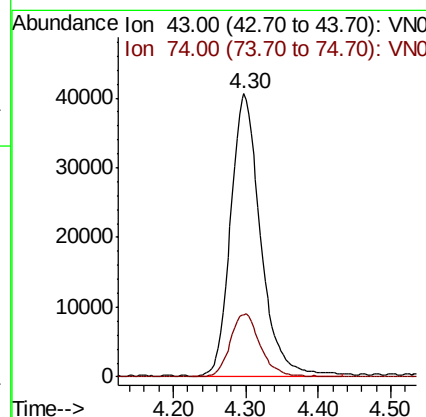
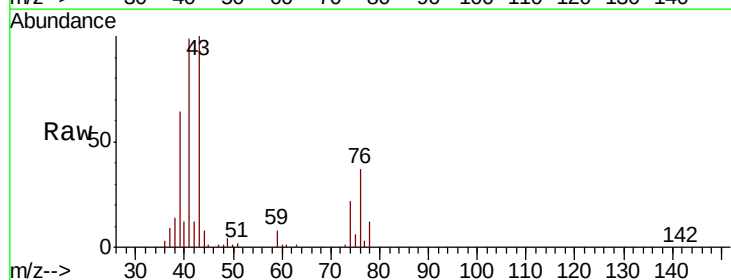
Manual Integrations
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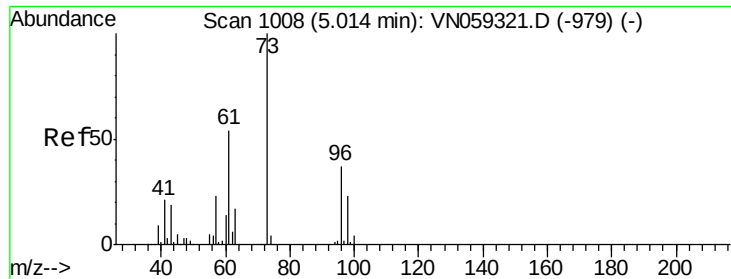
MMDadoda
11/22/2019 3:12:10 PM



#18
Methyl Acetate
Concen: 16.605 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion: 43 Resp: 117437
Ion Ratio Lower Upper
43 100
74 22.2 18.1 27.1





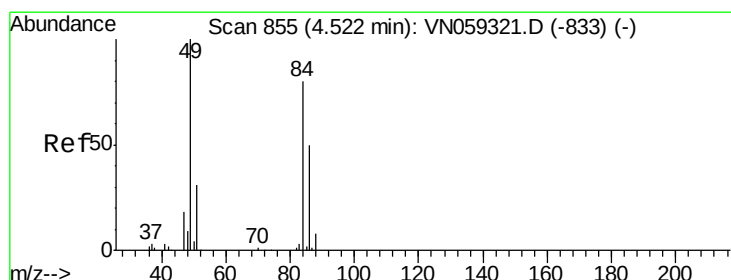
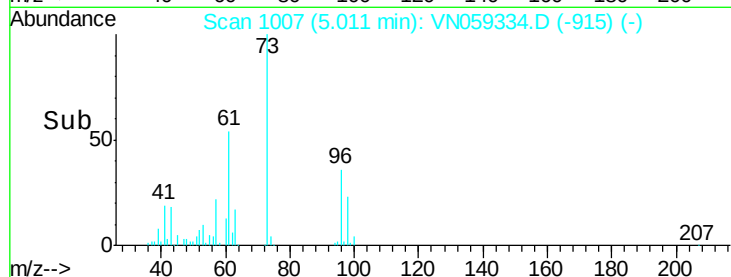
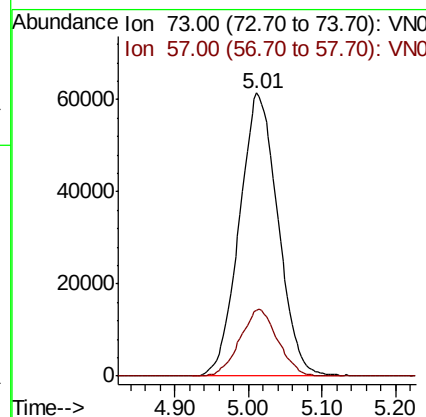
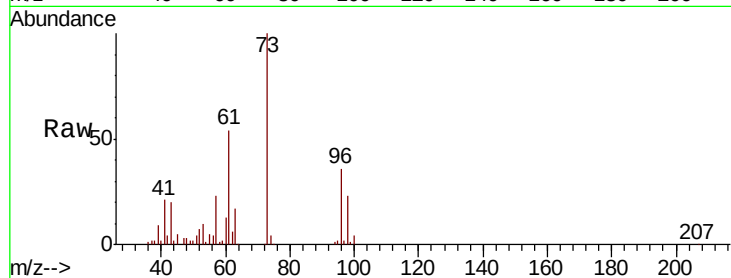
#19
Methyl tert-butyl Ether
Concen: 16.227 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion: 73 Resp: 224072
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6

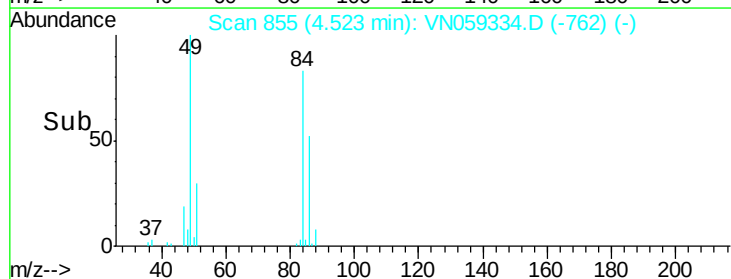
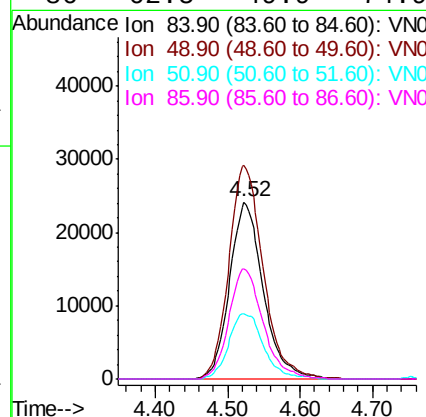
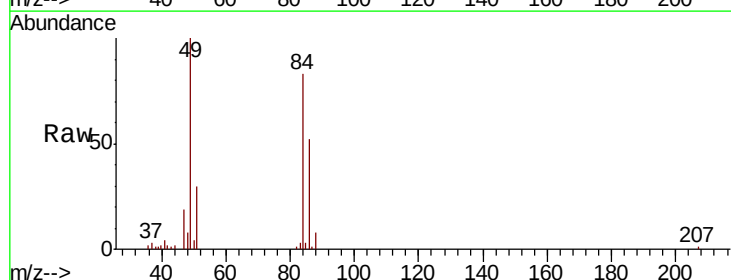
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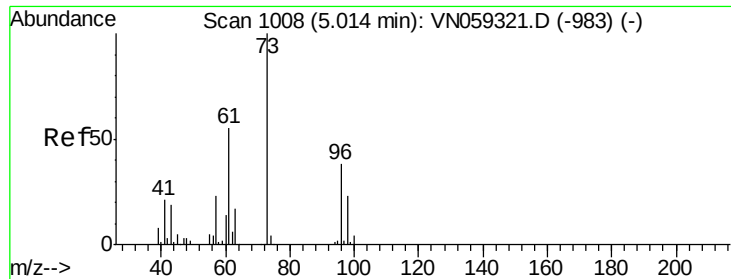
MMDadoda
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#20
Methylene Chloride
Concen: 16.229 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion: 84 Resp: 77999
Ion Ratio Lower Upper
84 100
49 120.9 99.5 149.3
51 36.7 31.1 46.7
86 62.5 49.9 74.9





#21

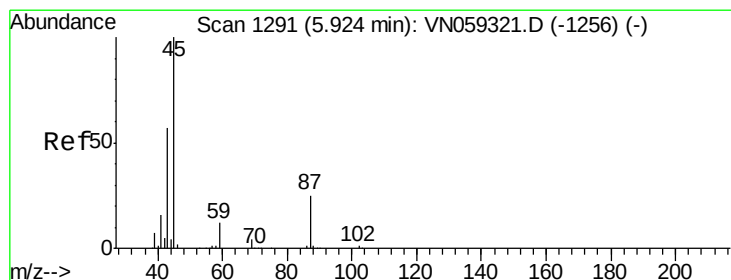
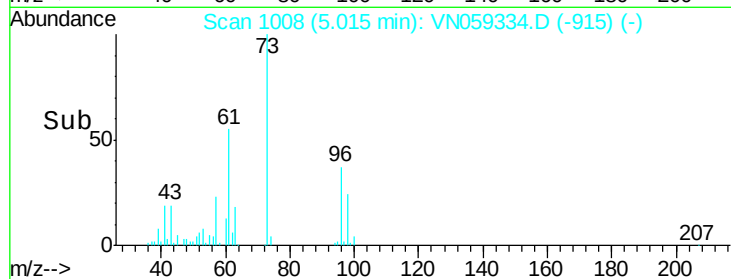
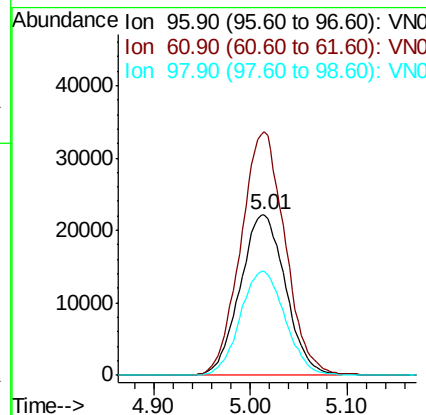
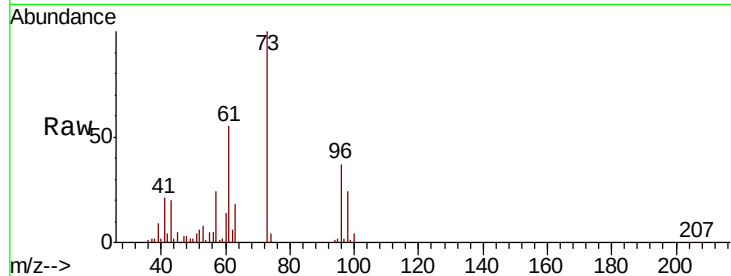
trans-1,2-Dichloroethene
Concen: 15.967 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	116.4	174.6
98	64.8	49.6	74.4

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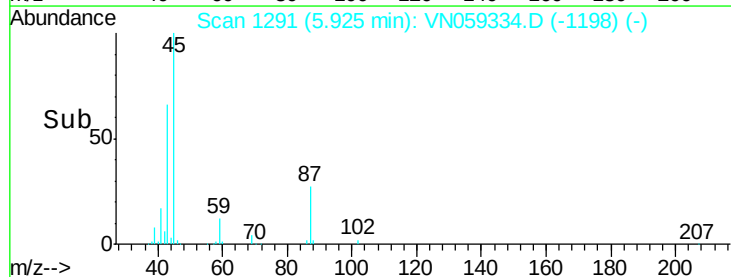
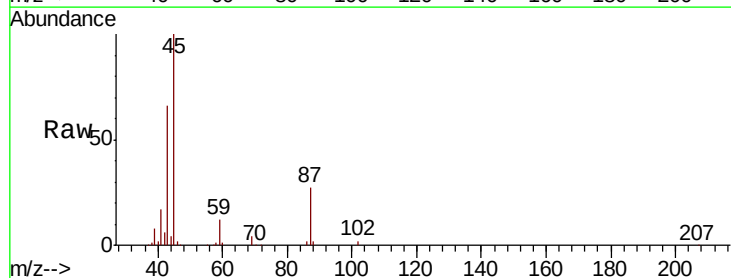
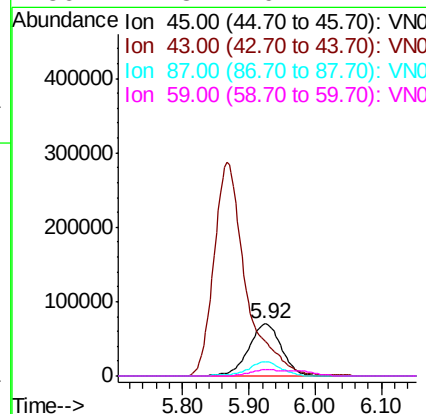
MMDadoda
11/22/2019 3:12:10 PM

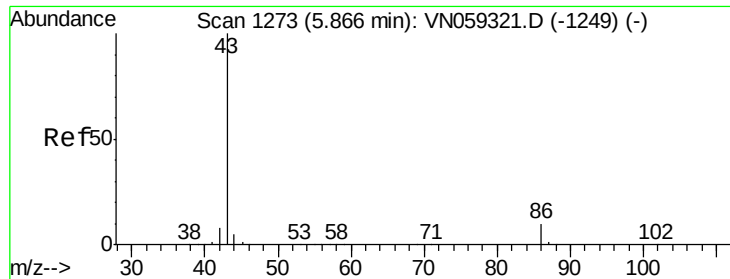


#22

Diisopropyl ether
Concen: 16.049 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	47.6	71.4
87	27.4	20.7	31.1
59	11.8	9.4	14.2





#23

Vinyl Acetate

Concen: 81.357 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion: 43 Resp: 962039

Ion Ratio Lower Upper

43 100

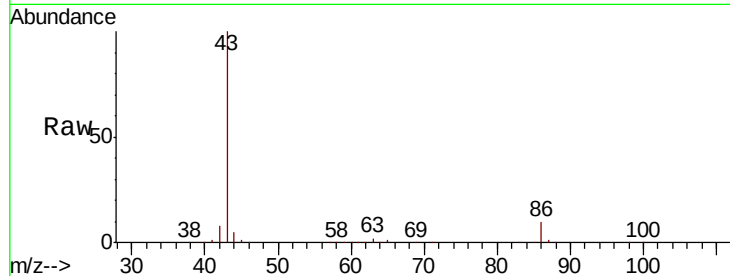
86 9.8 8.0 12.0

Manual Integrations

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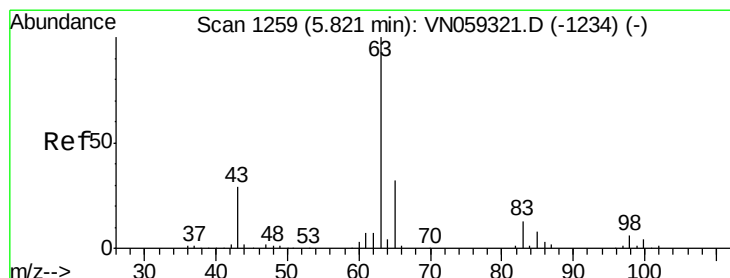
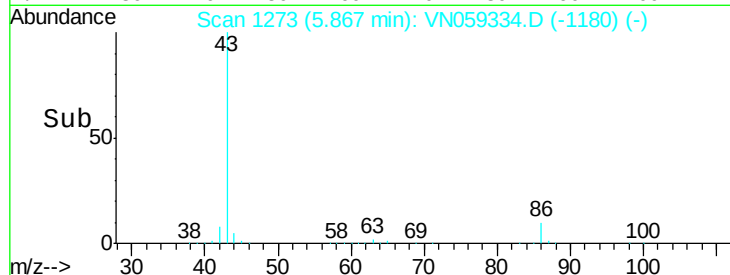
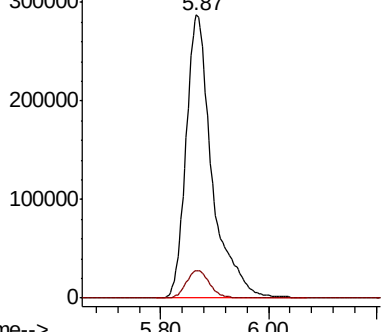
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 16.463 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

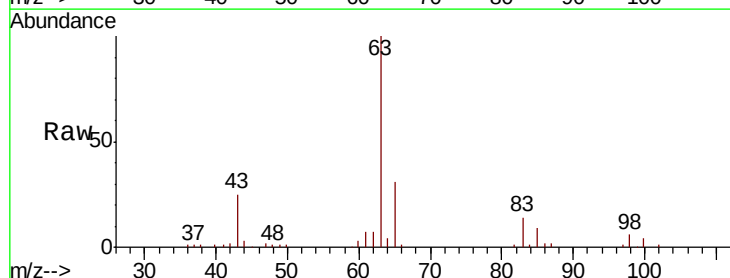
Tgt Ion: 63 Resp: 139343

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

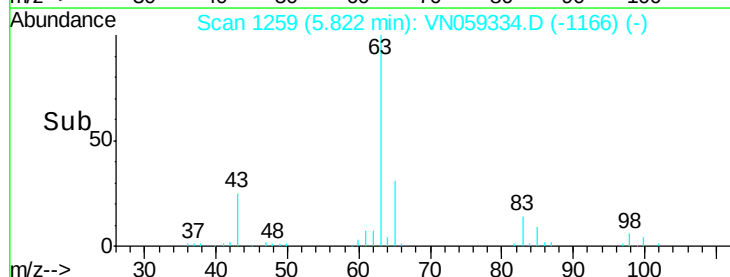
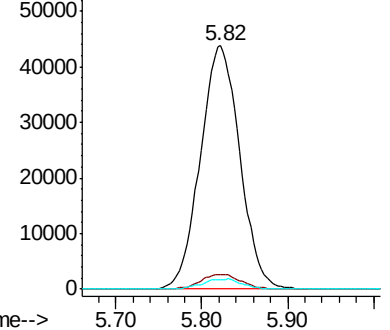
100 3.7 1.9 5.7

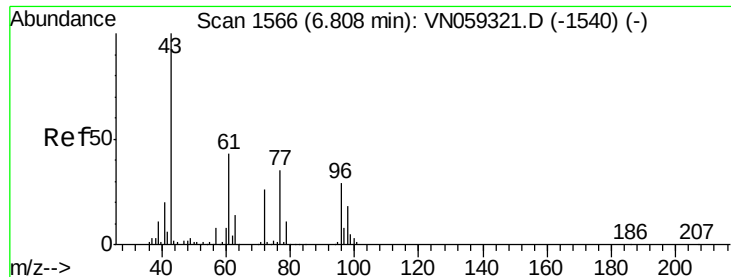


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 83.740 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion: 43 Resp: 277494

Ion Ratio Lower Upper

43 100

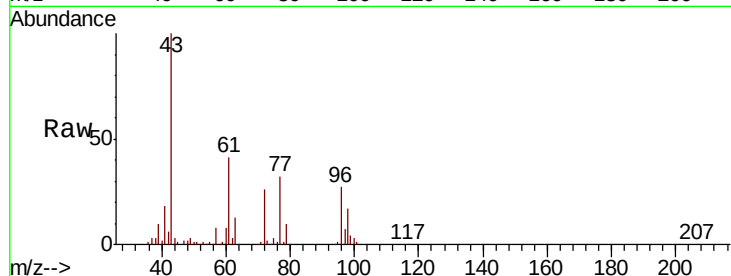
72 26.5 20.5 30.7

Manual Integrations

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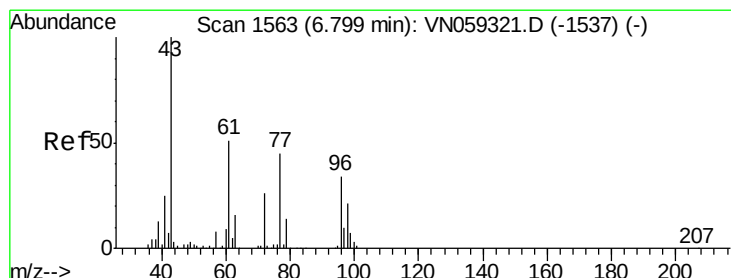
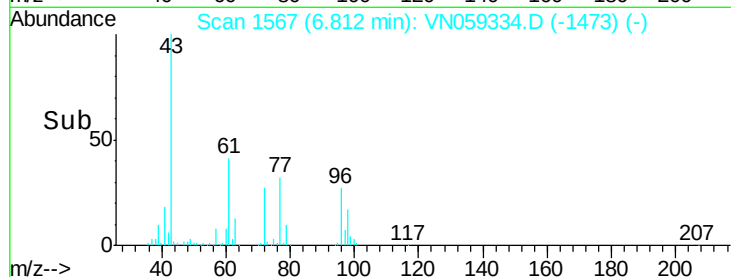
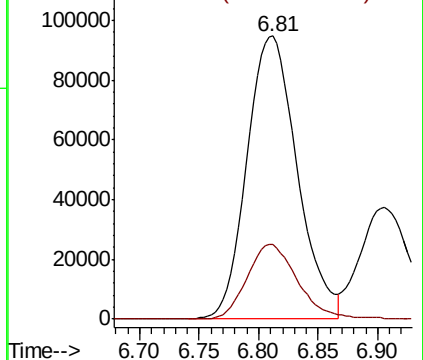
MMDadoda

11/22/2019 3:12:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.042 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059334.D

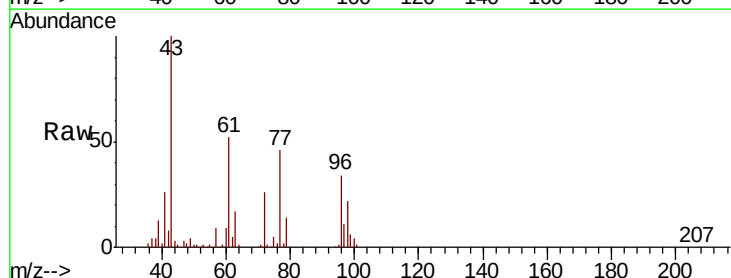
Acq: 21 Nov 2019 14:44

Tgt Ion: 77 Resp: 117570

Ion Ratio Lower Upper

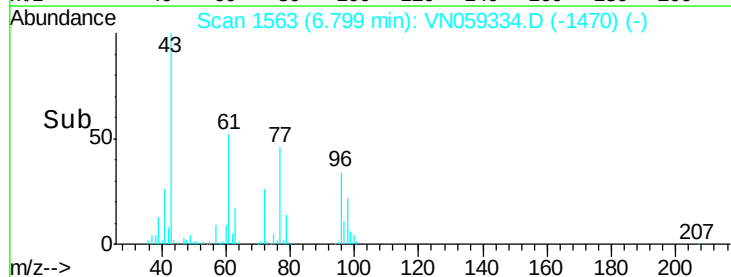
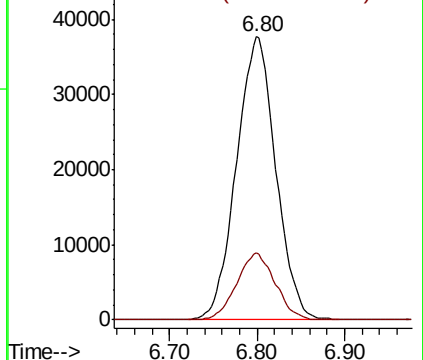
77 100

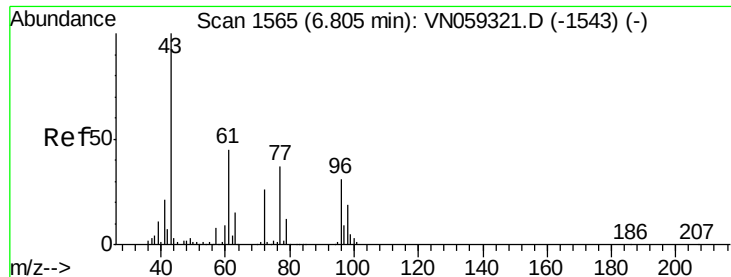
97 23.1 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 16.159 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

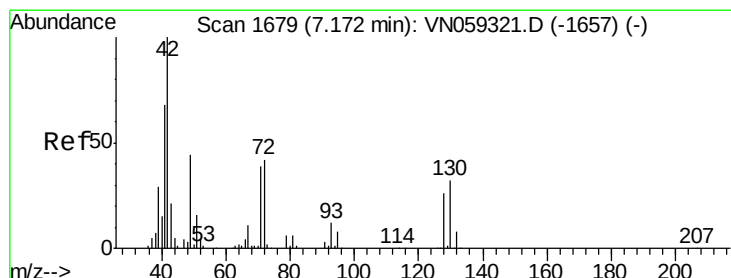
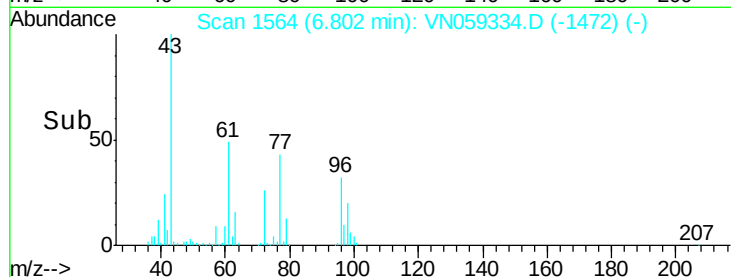
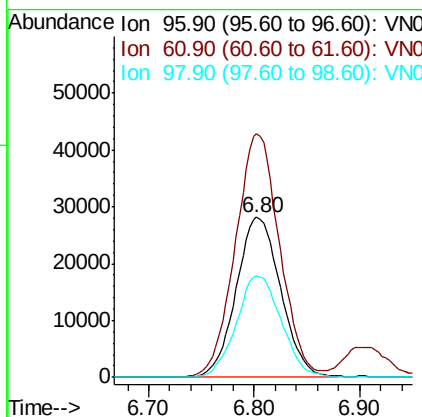
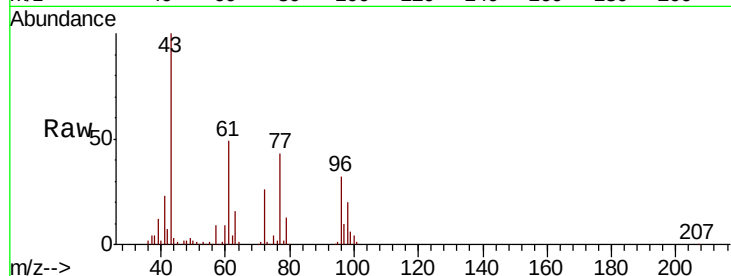
ClientSampleId :

VN1121MBS02

Tot Ion:	96	Resp:	82605
Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	304.0
98	64.2	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 14.633 ug/l

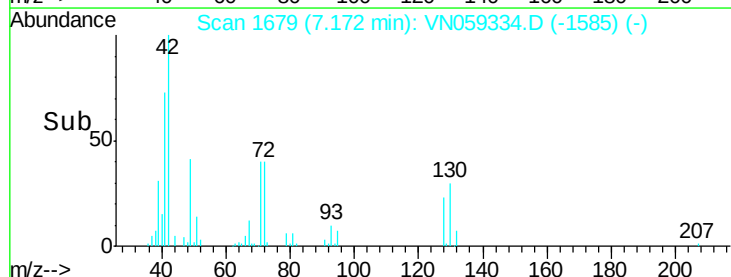
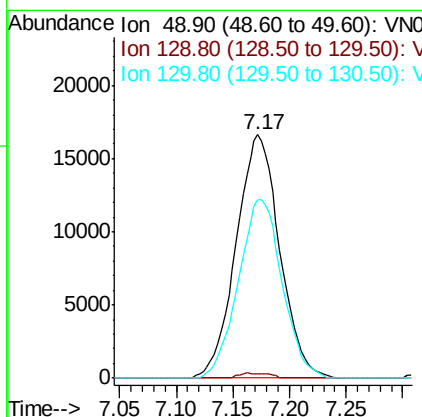
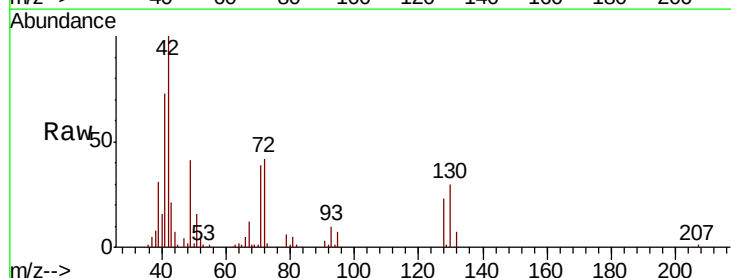
RT: 7.17 min Scan# 1679

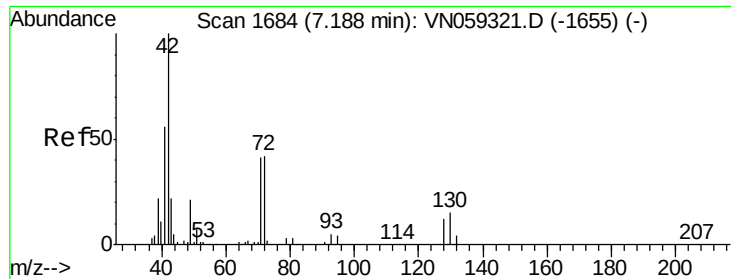
Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion:	49	Resp:	44432
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	73.7	57.0	85.6





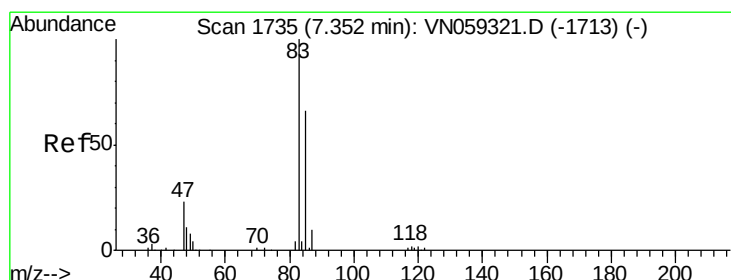
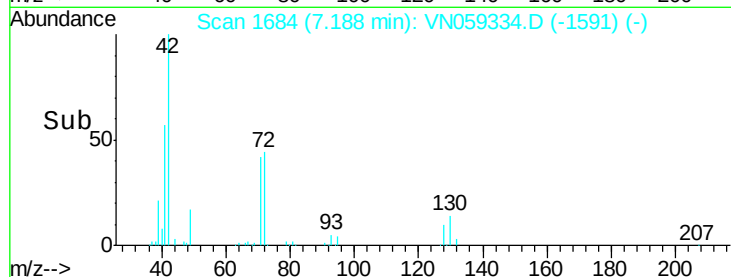
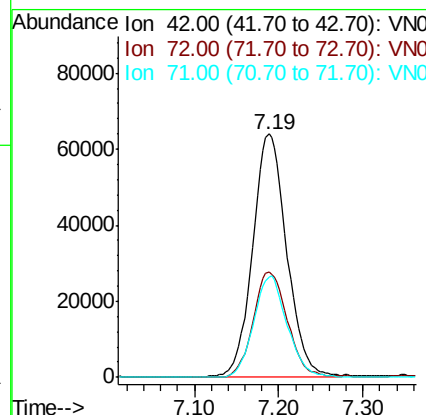
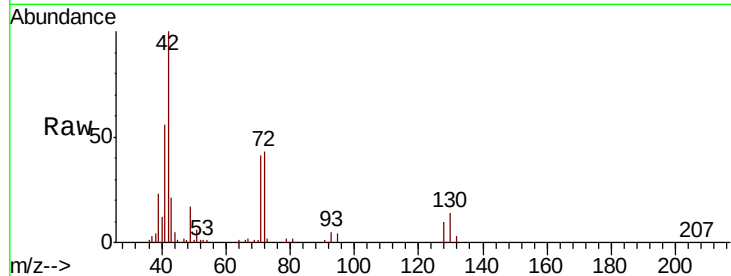
#29
Tetrahydrofuran
Concen: 78.582 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.2	51.2
71	40.6	32.6	48.8

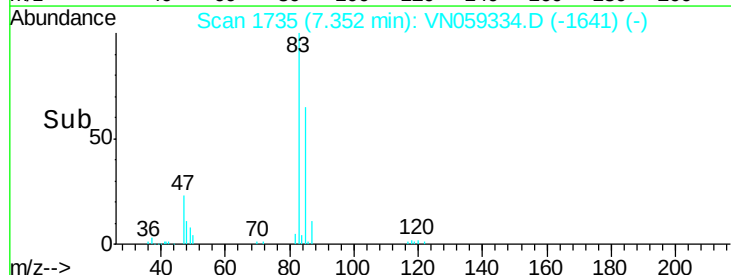
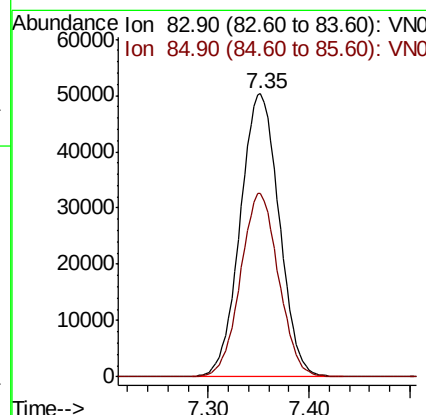
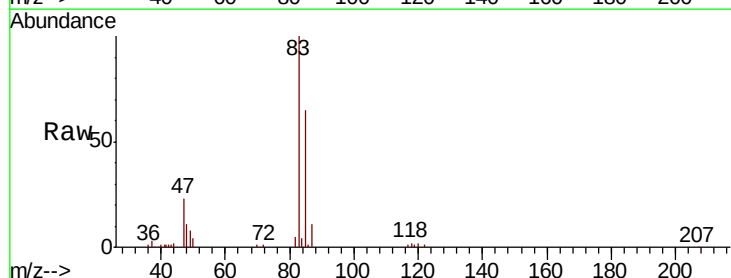
Manual Integrations
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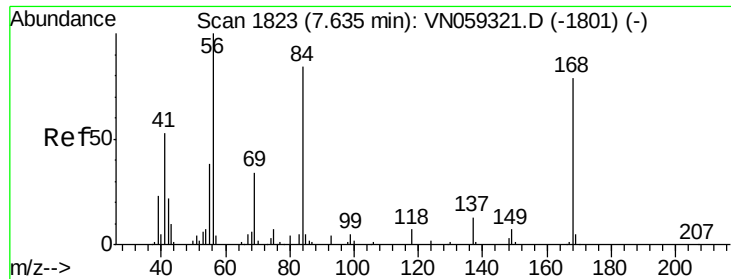
MMDadoda
11/22/2019 3:12:10 PM



#30
Chloroform
Concen: 16.283 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.7	79.1





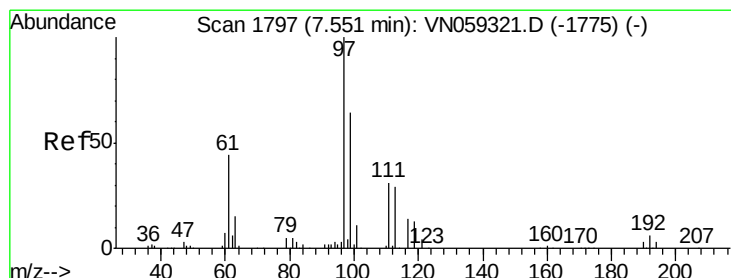
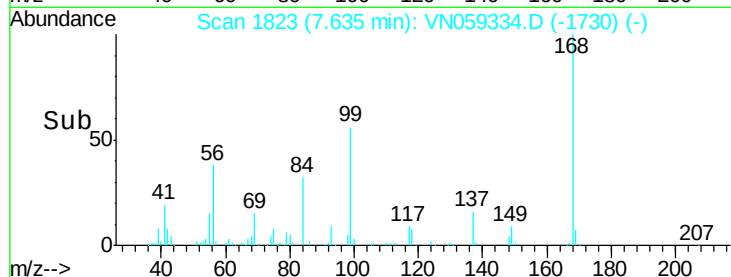
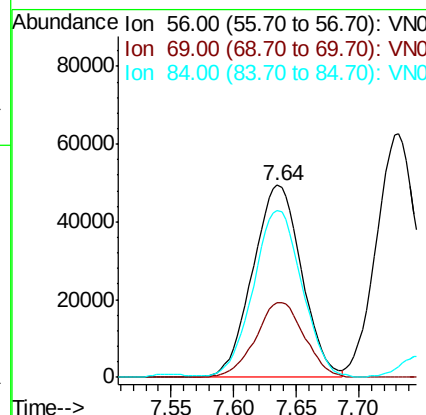
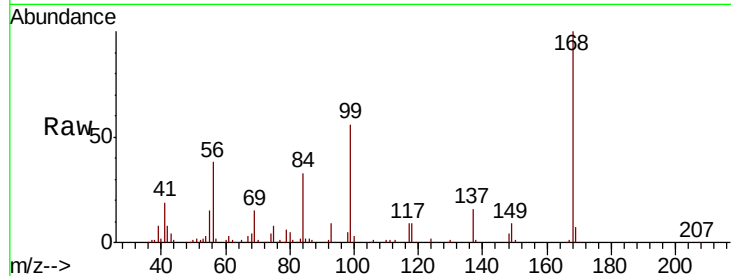
#31
Cyclohexane
Concen: 16.024 ug/l
RT: 7.64 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	26.6	40.0
84	86.1	67.0	100.4

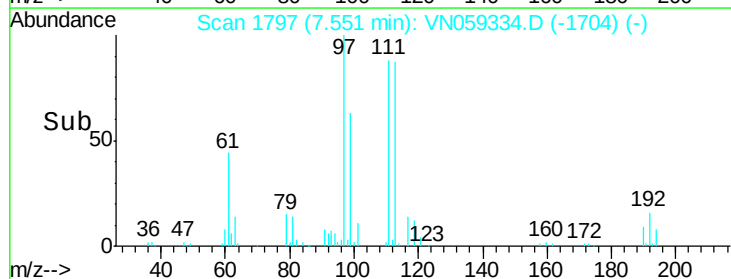
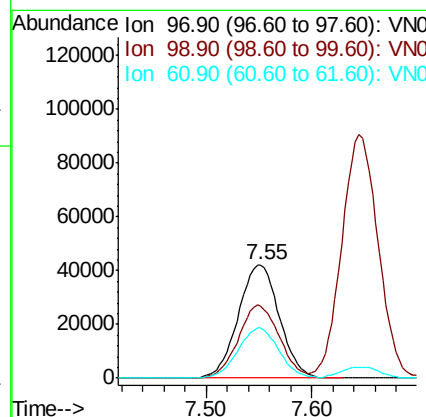
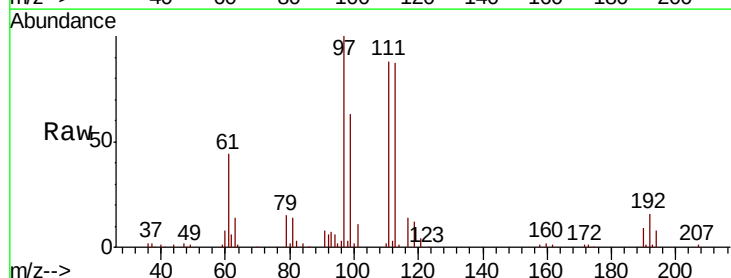
Manual Integrations
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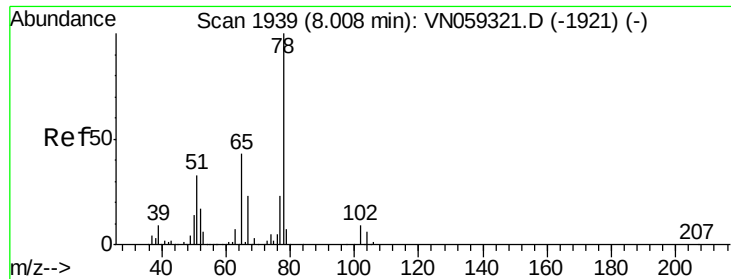
MMDadoda
11/22/2019 3:12:10 PM



#32
1,1,1-Trichloroethane
Concen: 16.140 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	44.0	35.3	52.9





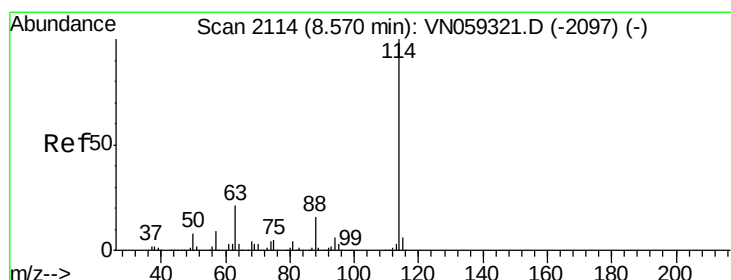
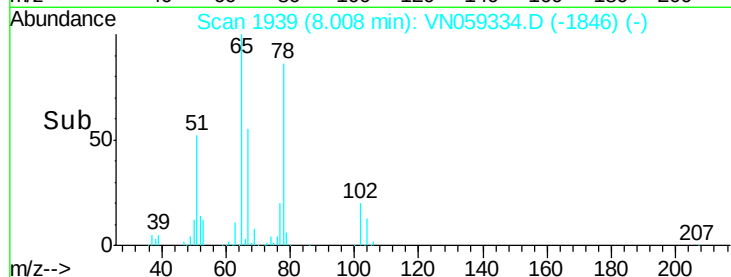
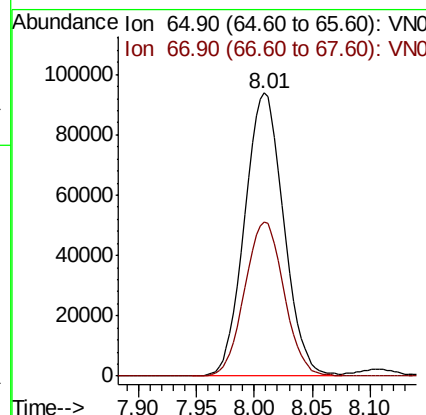
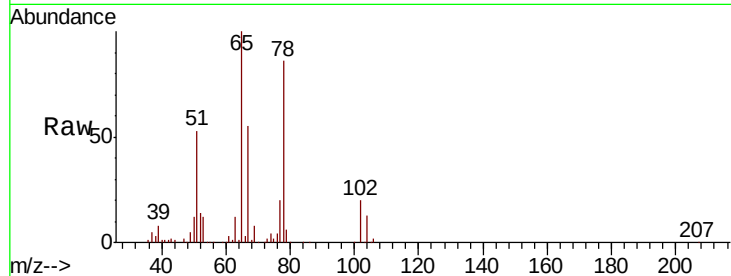
#33
 1,2-Dichloroethane-d4
 Concen: 46.425 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	220647		
67	54.8	0.0	109.4	

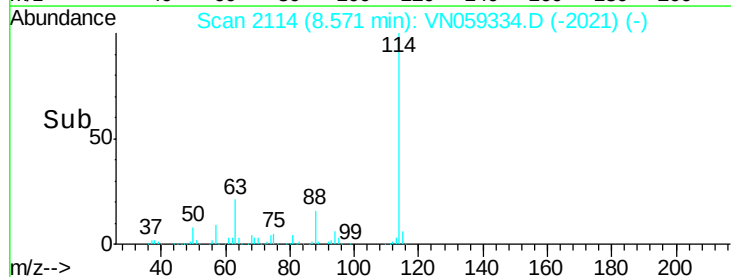
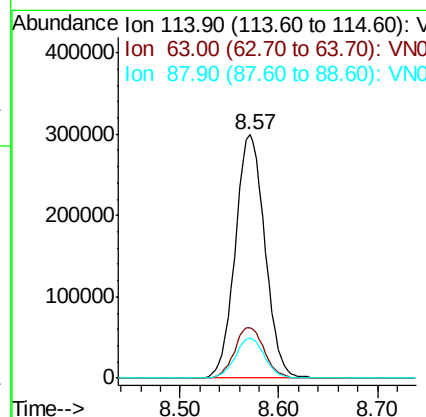
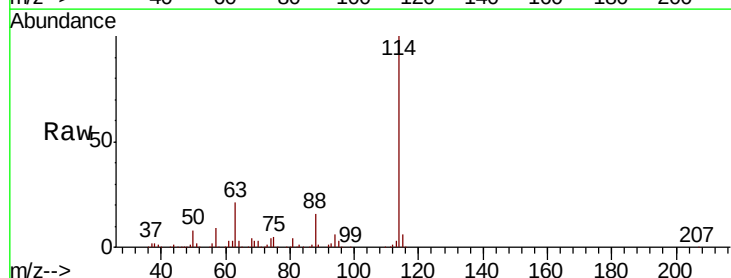
Manual Integrations
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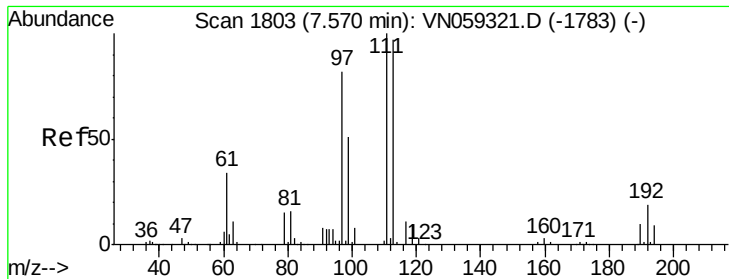
MMDadoda
 11/22/2019 3:12:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	626322		
63	20.9	0.0	42.2	
88	16.3	0.0	32.2	





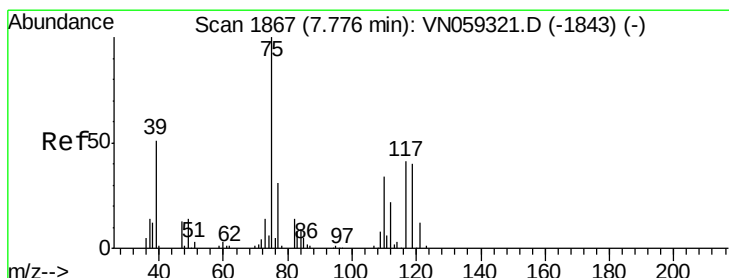
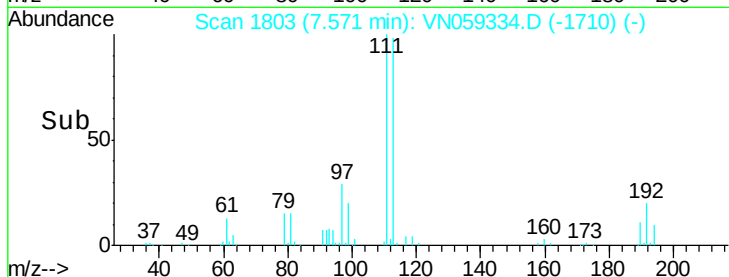
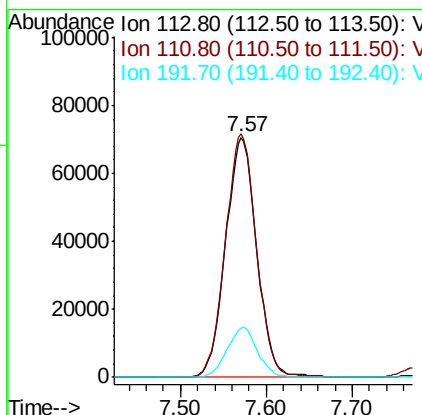
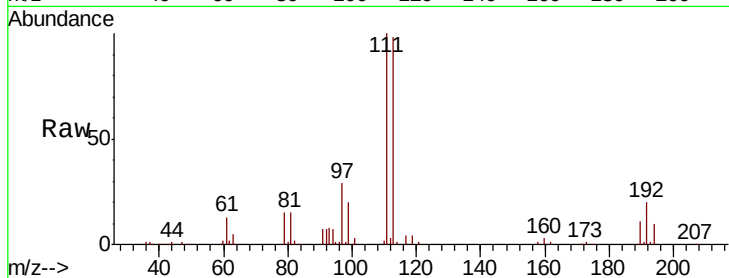
#35
Dibromofluoromethane
Concen: 47.018 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.7	124.1
192	20.3	16.3	24.5

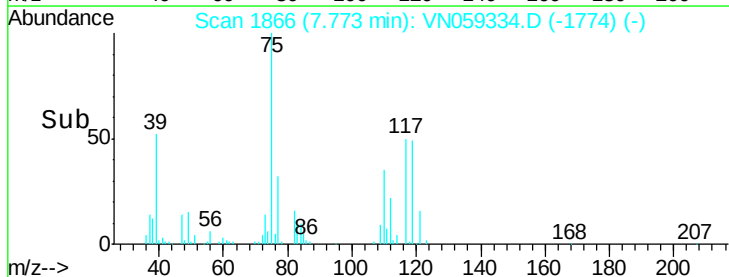
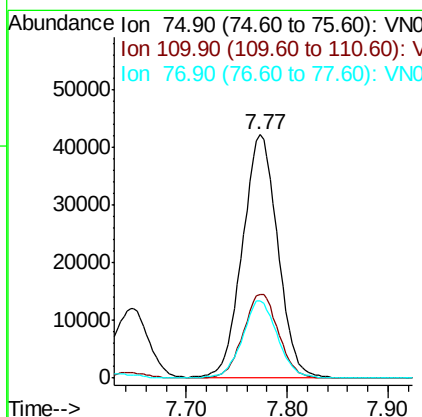
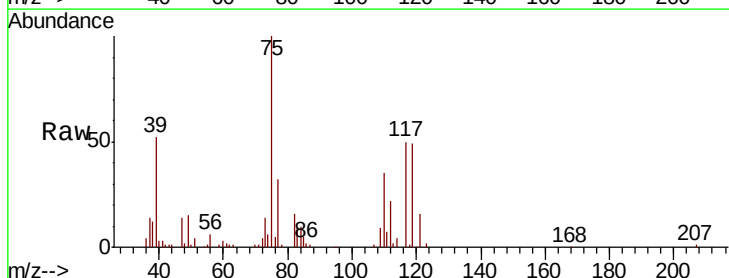
Manual Integrations
APPROVED

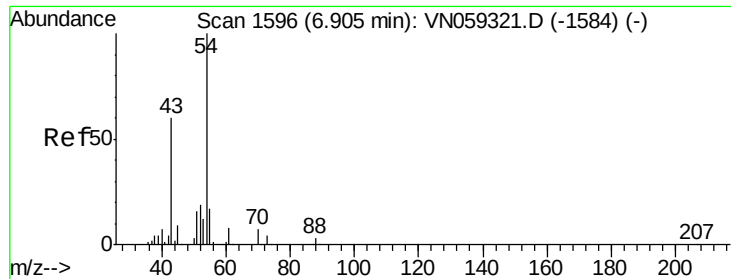
MMDadoda
11/22/2019 3:12:10 PM



#36
1,1-Dichloropropene
Concen: 15.846 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	51.0
77	31.5	24.8	37.2





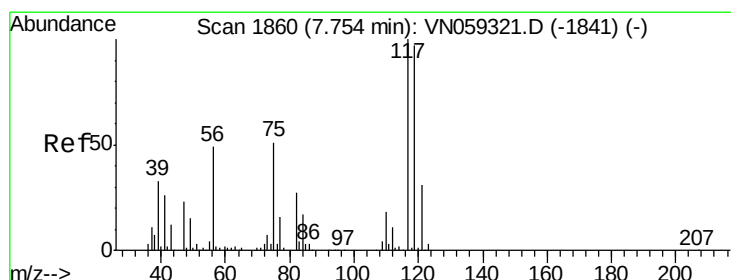
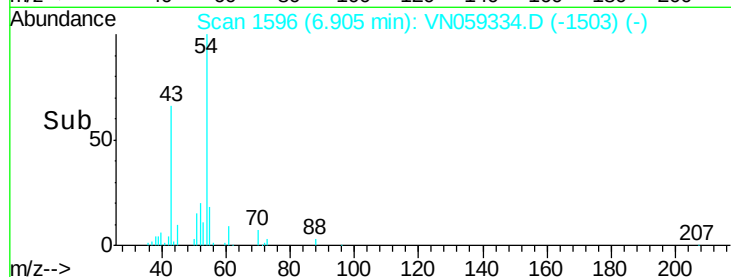
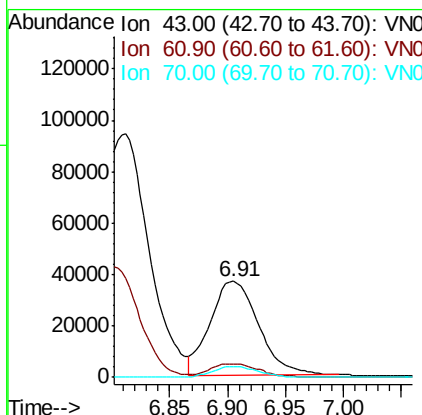
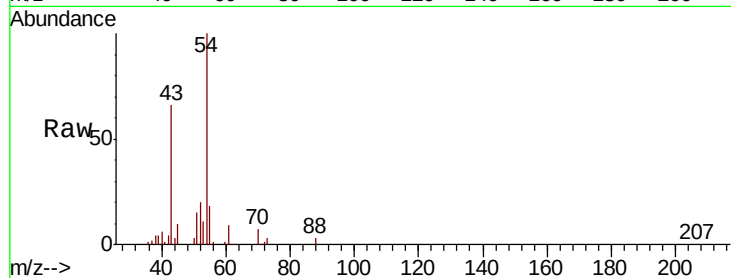
#37
Ethyl Acetate
Concen: 15.553 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.0	16.6
70	10.8	8.8	13.2

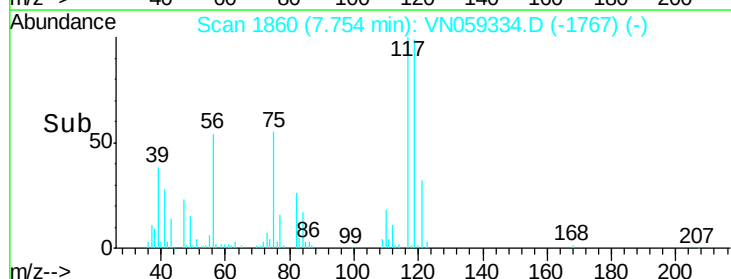
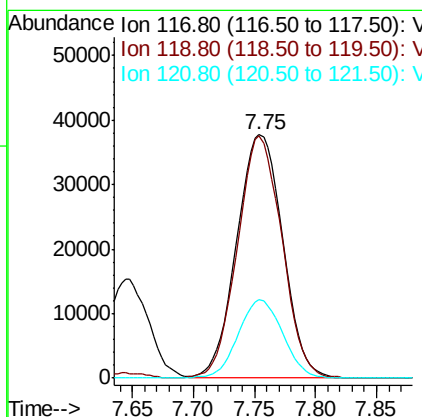
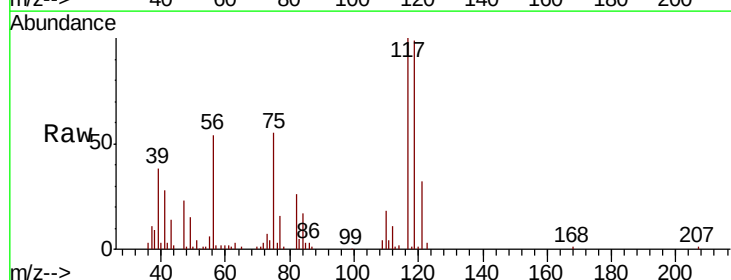
Manual Integrations
APPROVED

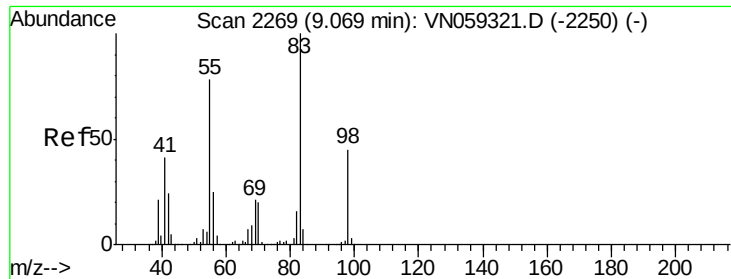
MMDadoda
11/22/2019 3:12:10 PM



#38
Carbon Tetrachloride
Concen: 15.958 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.0	115.4
121	32.2	24.4	36.6





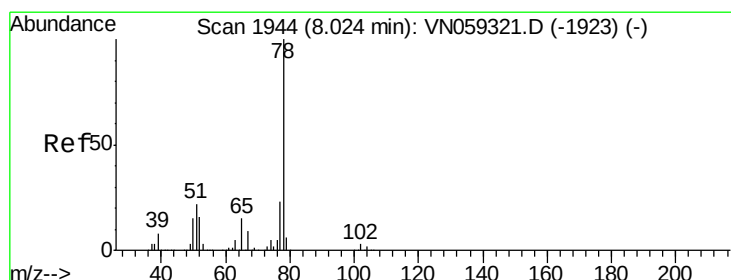
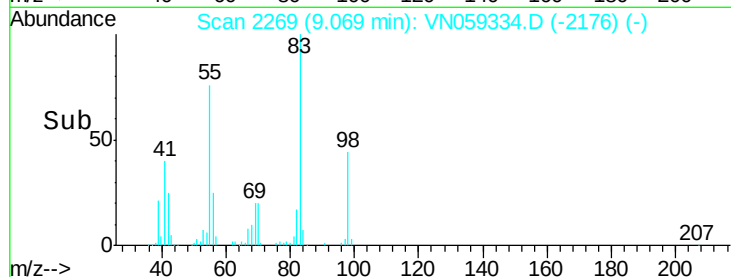
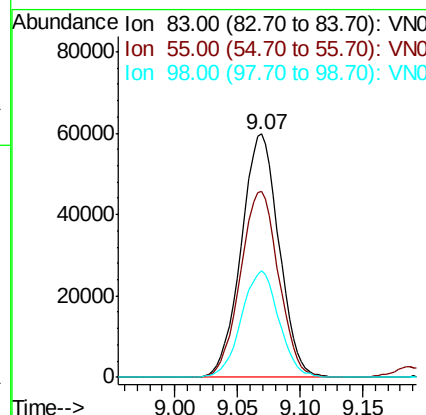
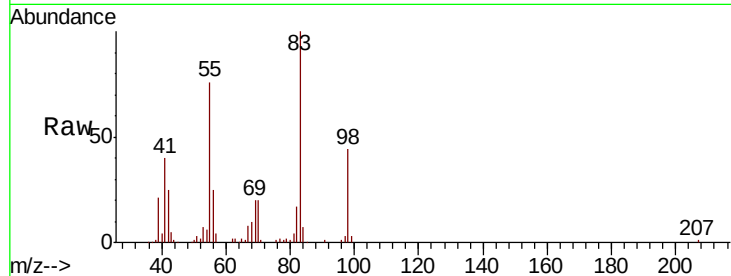
#39
Methylvlcyclohexane
Concen: 16.065 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	62.3	93.5
98	43.8	36.0	54.0

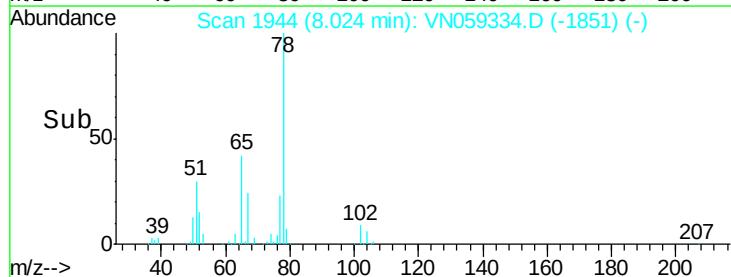
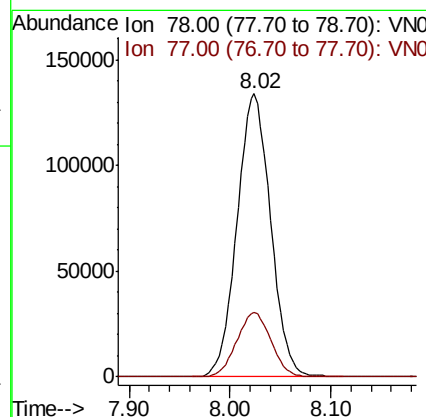
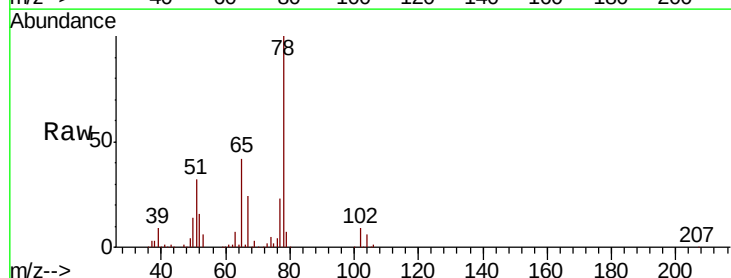
Manual Integrations
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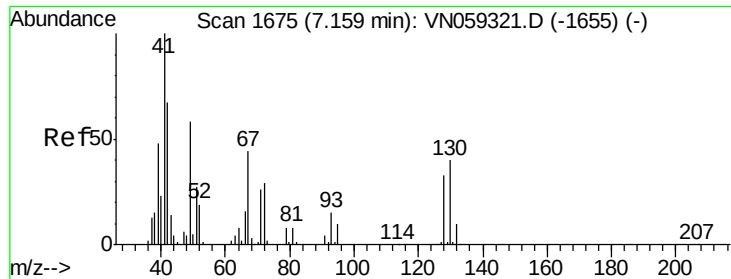
MMDadoda
11/22/2019 3:12:10 PM



#40
Benzene
Concen: 16.311 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6





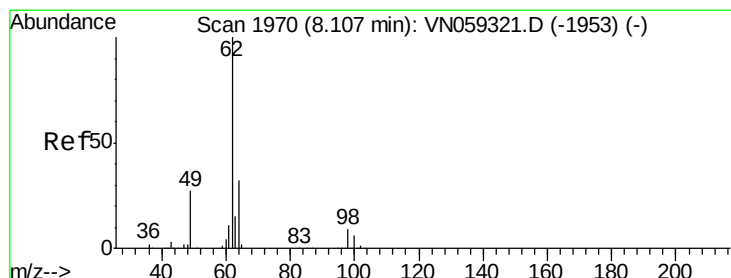
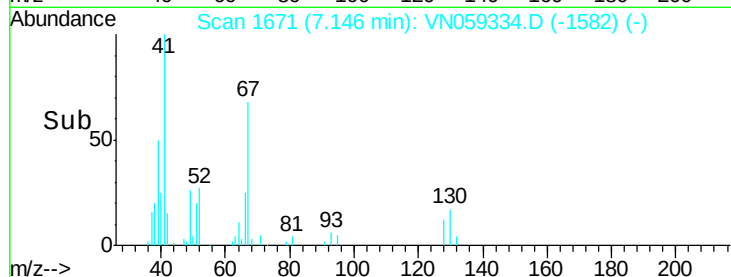
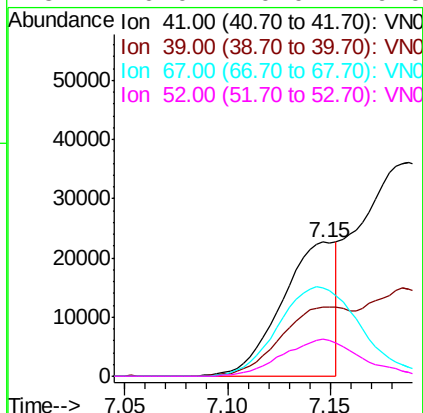
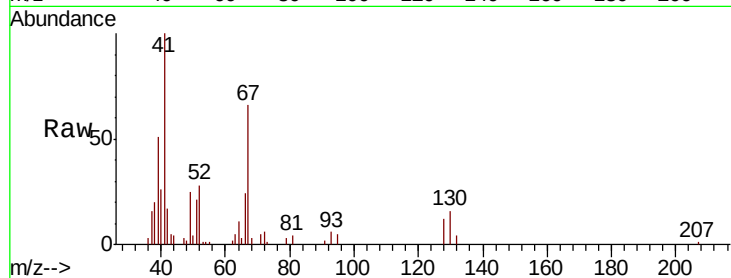
#41
Methacrylonitrile
Concen: 13.643 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

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

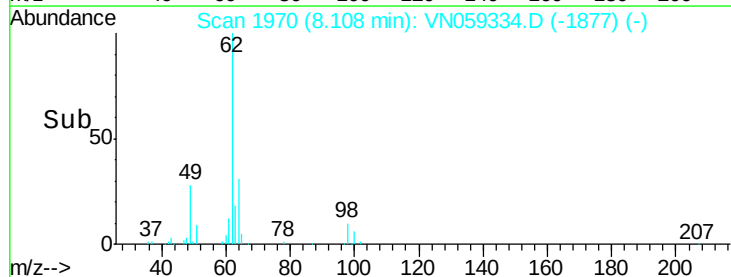
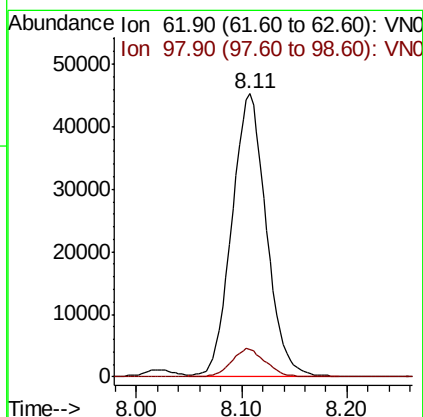
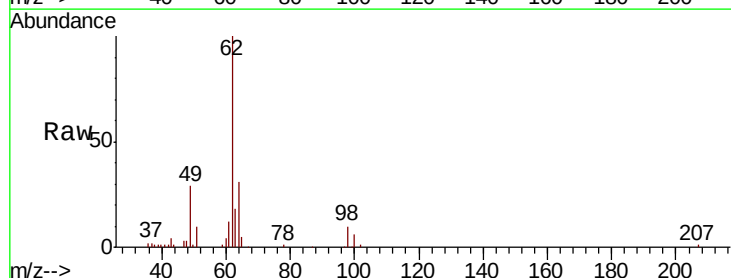
Manual Integrations
APPROVED

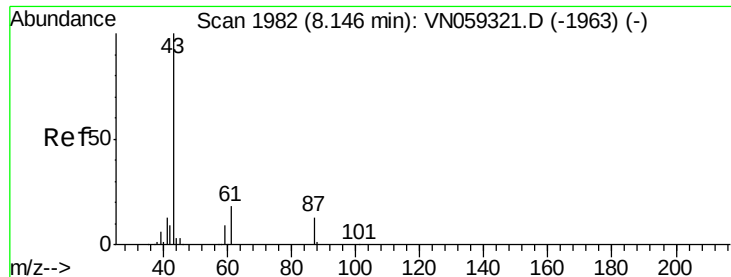
MMDadoda
11/22/2019 3:12:10 PM



#42
1,2-Dichloroethane
Concen: 16.360 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 15.573 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

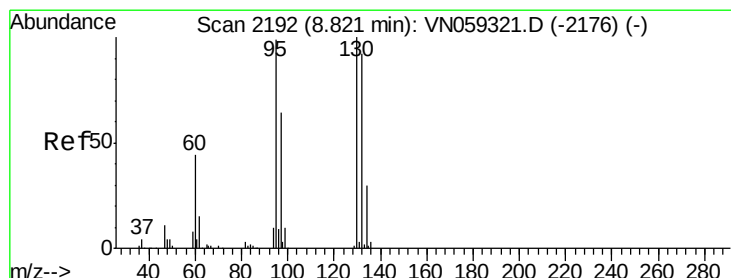
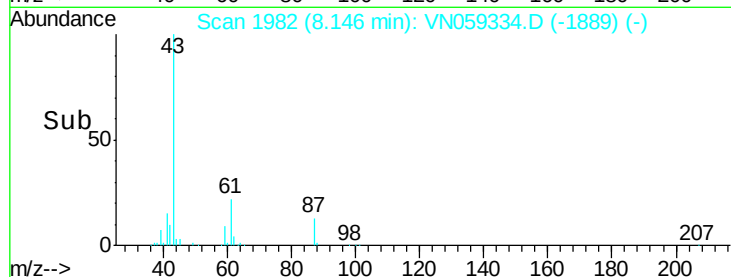
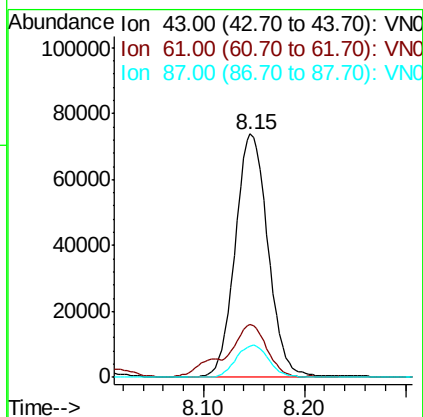
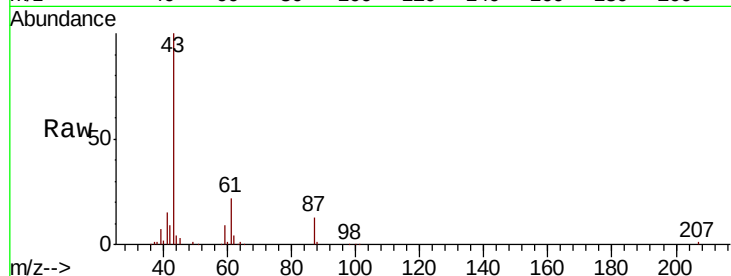
ClientSampleId :

VN1121MBS02

Tot Ion:	43	Resp:	165385
Ion	Ratio	Lower	Upper
43	100		
61	21.2	21.7	32.5#
87	13.2	10.2	15.4

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#44

Trichloroethene

Concen: 15.935 ug/l

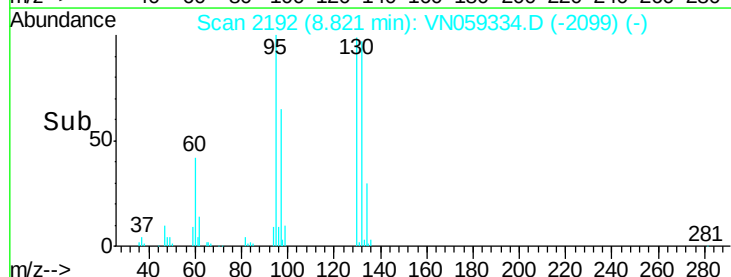
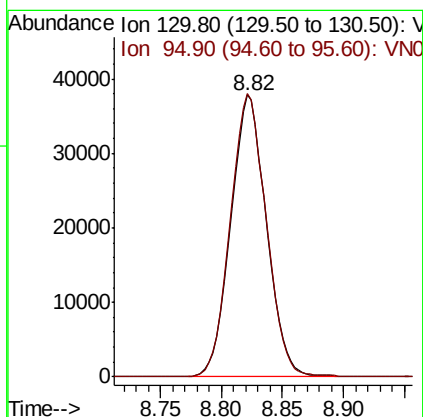
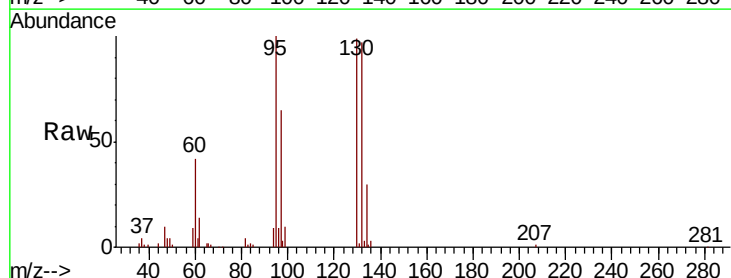
RT: 8.82 min Scan# 2192

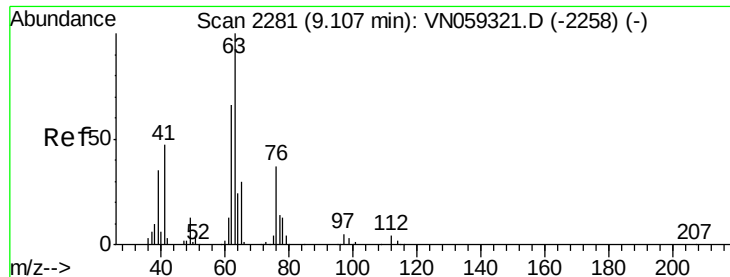
Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion:	130	Resp:	76642
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	198.4





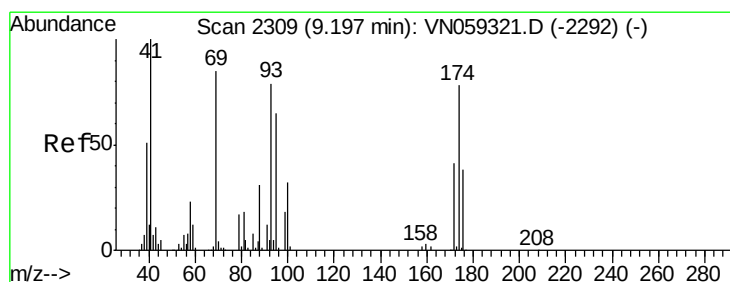
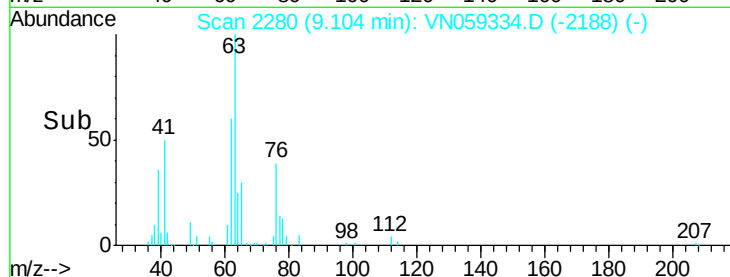
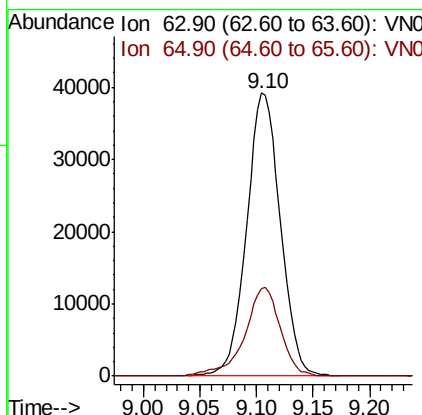
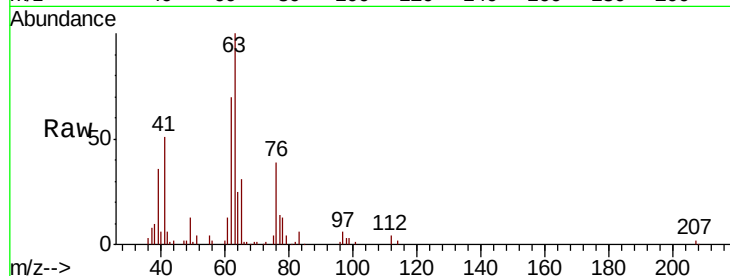
#45
 1,2-Dichloropropane
 Concen: 16.064 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS02

Tot Ion: 63 Resp: 81290
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.9 35.9

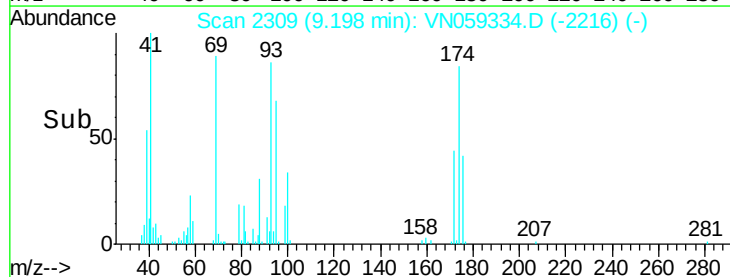
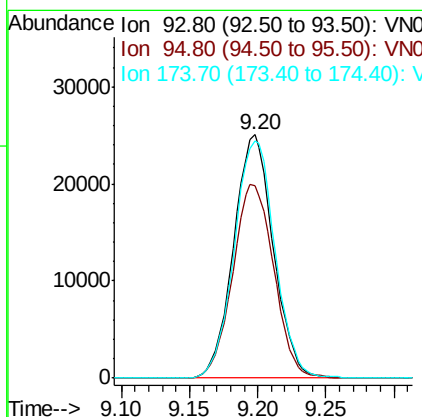
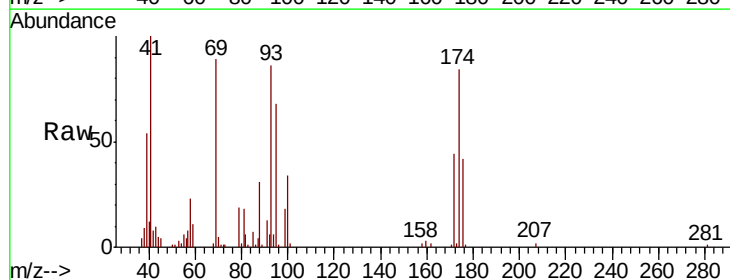
Manual Integrations
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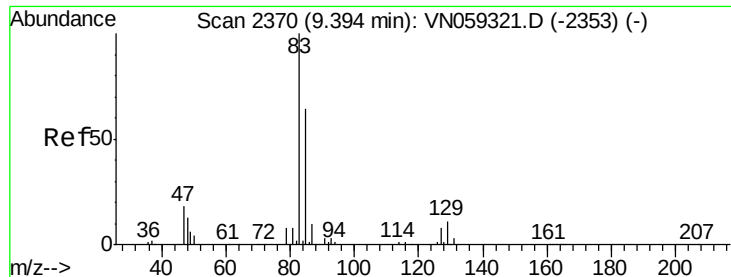
MMDadoda
 11/22/2019 3:12:10 PM



#46
 Dibromomethane
 Concen: 16.336 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Tgt Ion: 93 Resp: 50707
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.9 100.3
 174 100.2 80.6 120.8





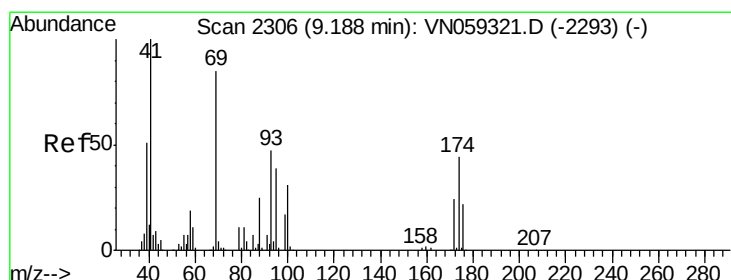
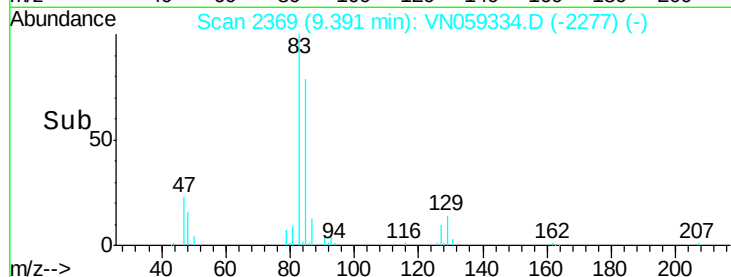
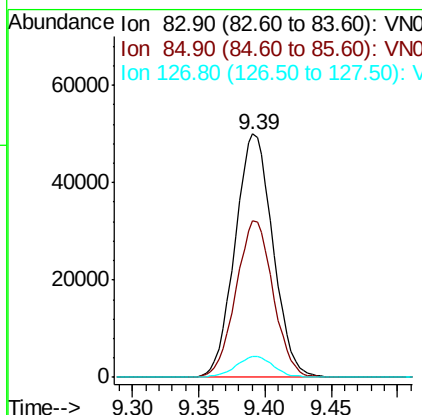
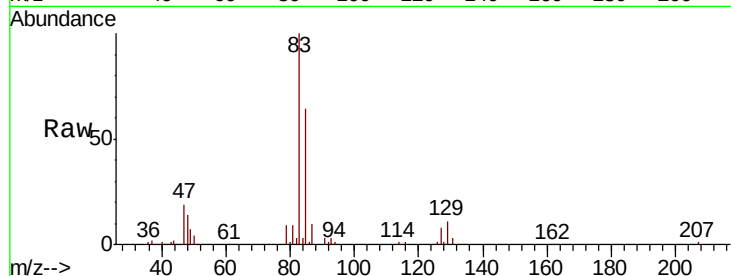
#47
Bromodichloromethane
Concen: 15.956 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.1	51.5	77.3	
127	8.4	6.6	10.0	

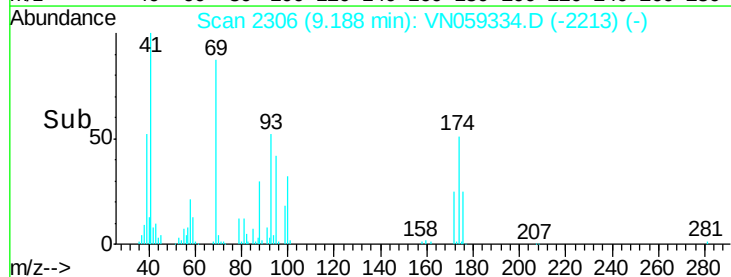
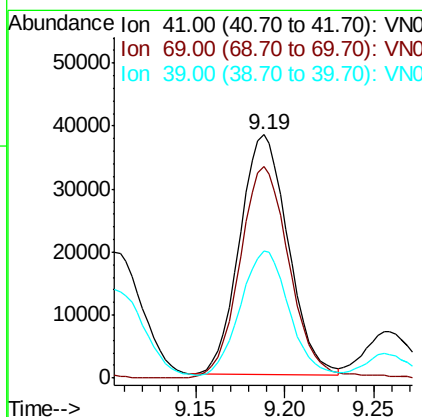
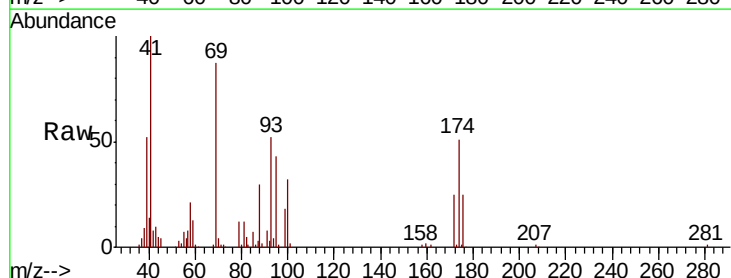
Manual Integrations
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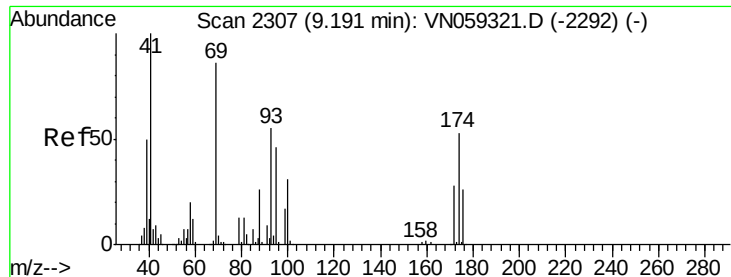
MMDadoda
11/22/2019 3:12:10 PM



#48
Methyl methacrylate
Concen: 15.036 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	90.3	68.8	103.2	
39	53.7	42.1	63.1	





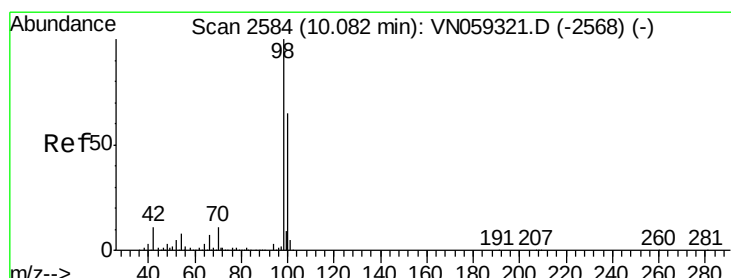
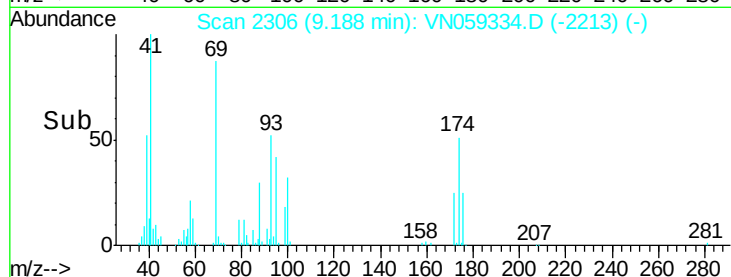
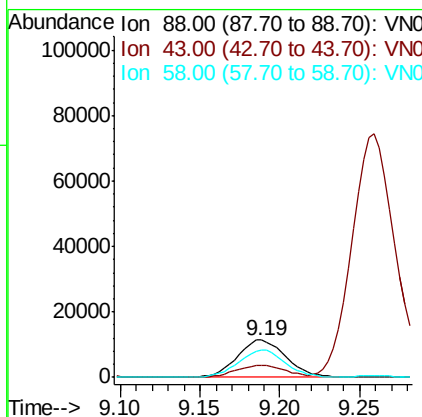
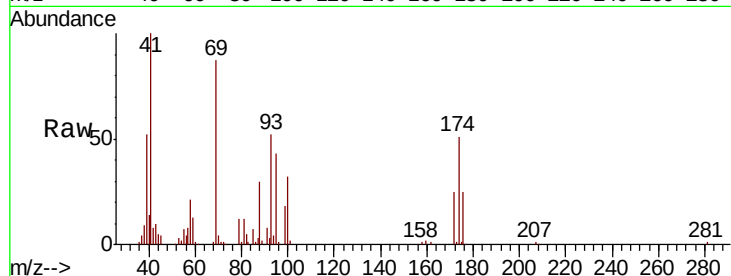
#49
1,4-Dioxane
Concen: 326.884 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.9	40.3
58	70.5	59.2	88.8

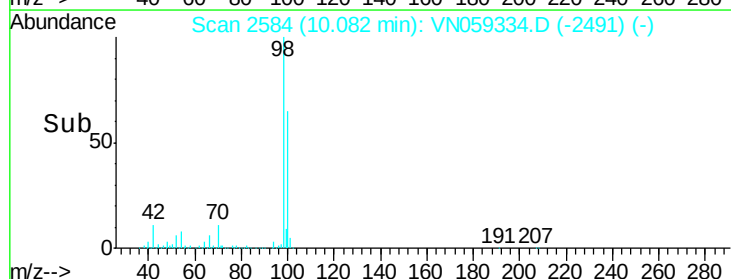
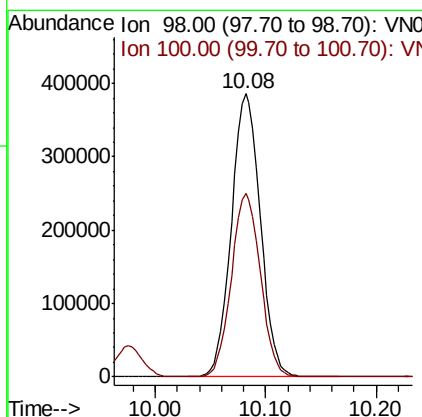
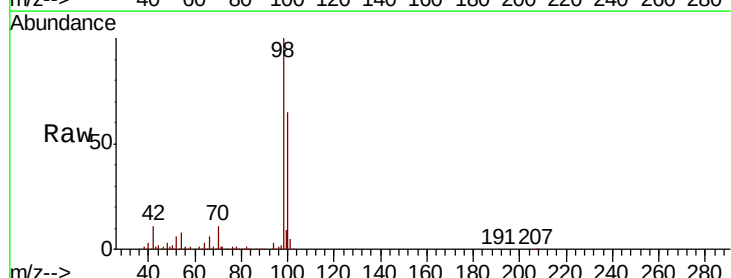
Manual Integrations
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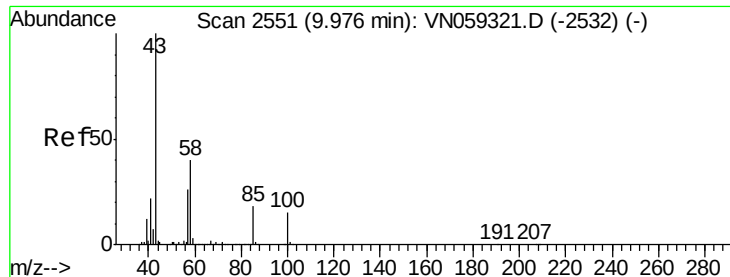
MMDadoda
11/22/2019 3:12:10 PM



#50
Toluene-d8
Concen: 46.987 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 83.681 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion: 43 Resp: 520175

Ion Ratio Lower Upper

43 100

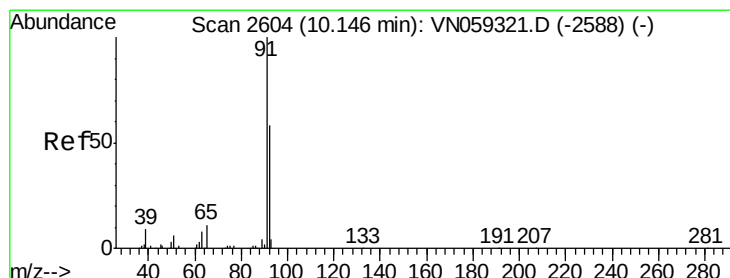
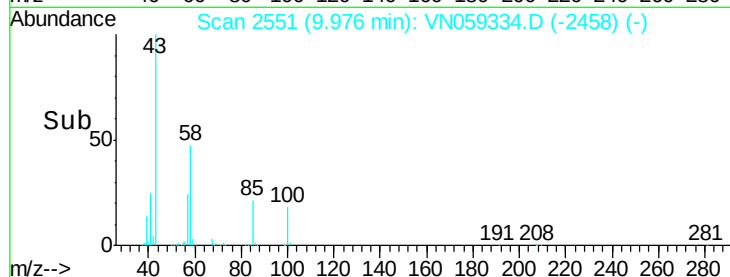
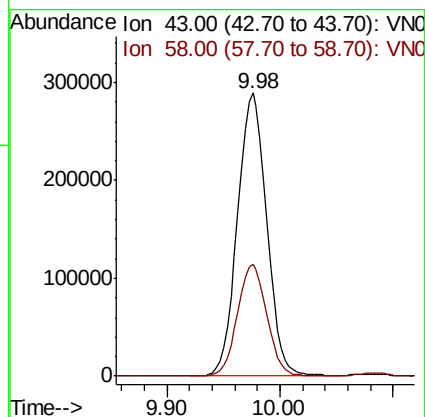
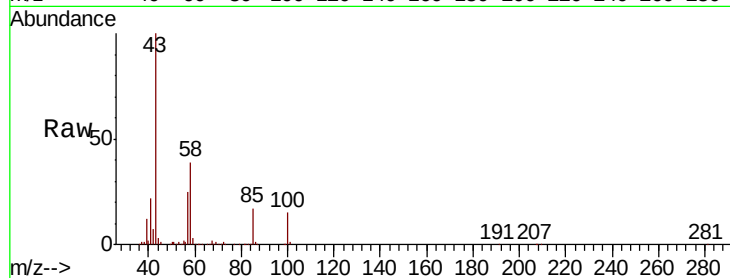
58 39.5 31.8 47.8

Manual Integrations

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#52

Toluene

Concen: 16.202 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059334.D

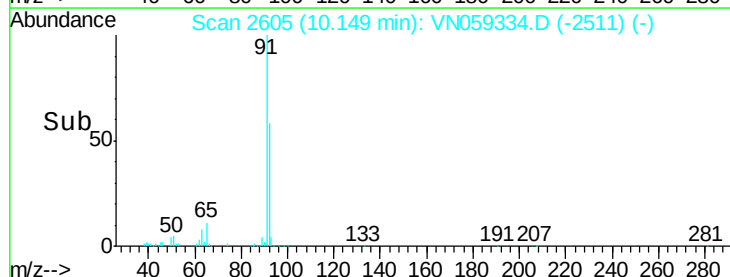
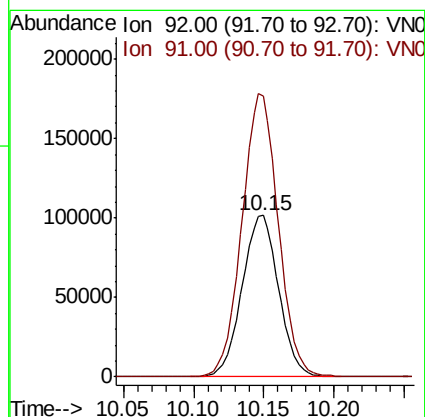
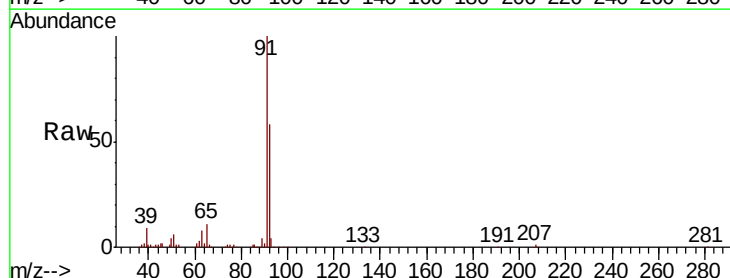
Acq: 21 Nov 2019 14:44

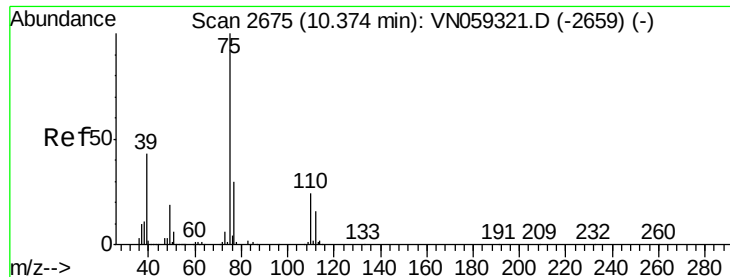
Tgt Ion: 92 Resp: 184879

Ion Ratio Lower Upper

92 100

91 173.7 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 15.705 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion: 75 Resp: 113491

Ion Ratio Lower Upper

75 100

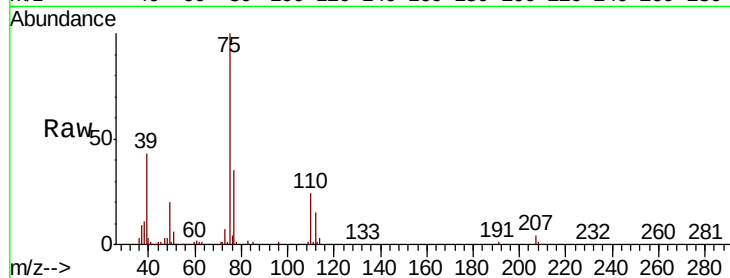
77 32.7 25.5 38.3

Manual Integrations

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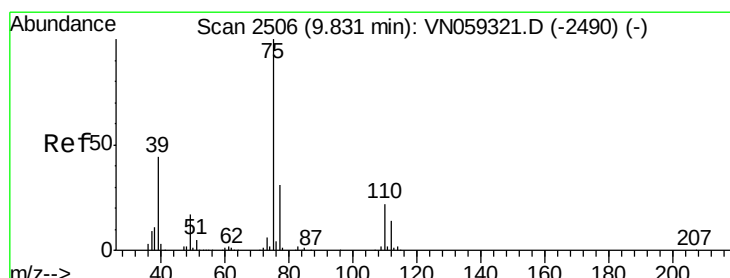
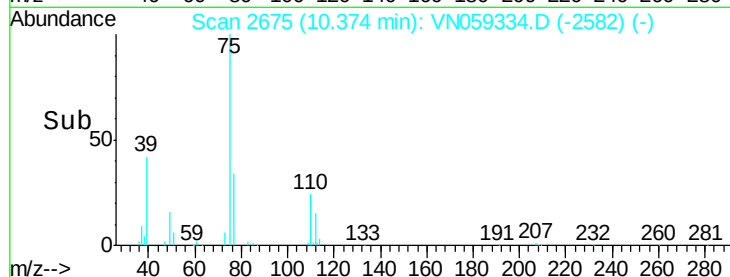
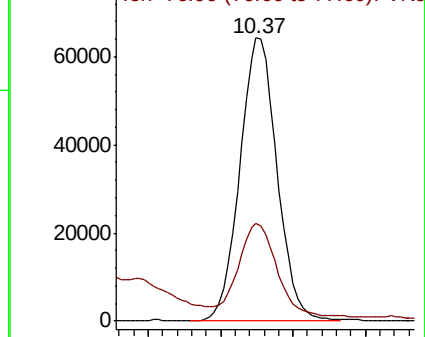
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 16.201 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

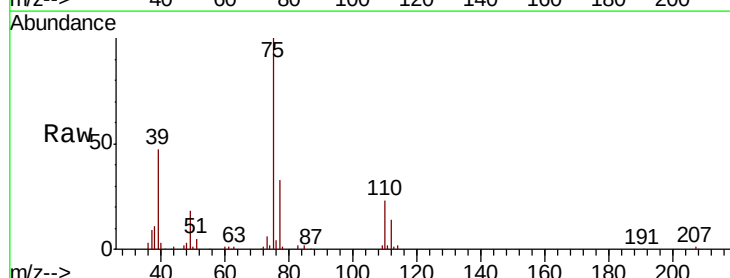
Tgt Ion: 75 Resp: 127039

Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.4

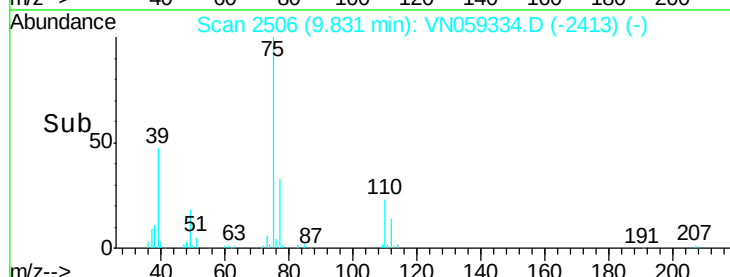
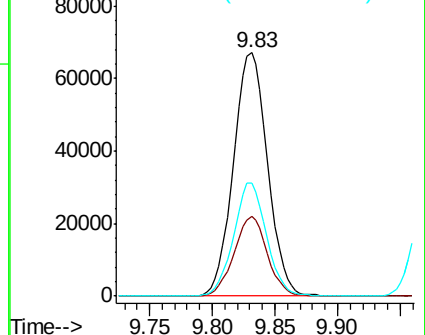
39 46.6 35.5 53.3

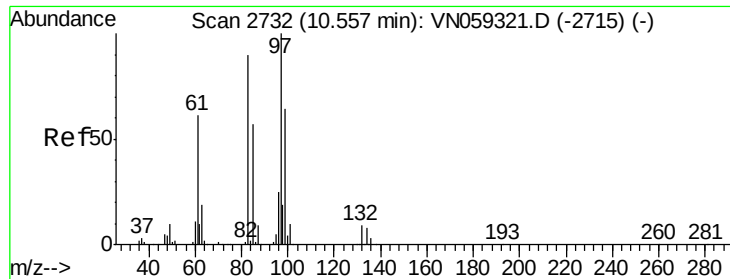


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





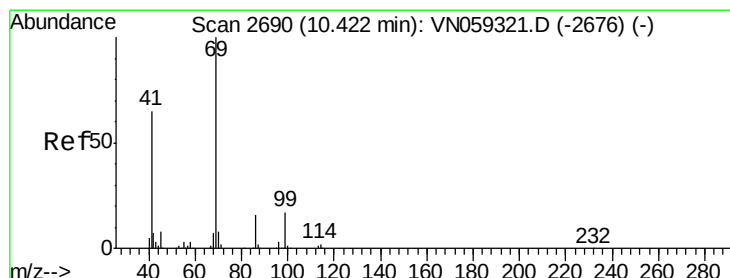
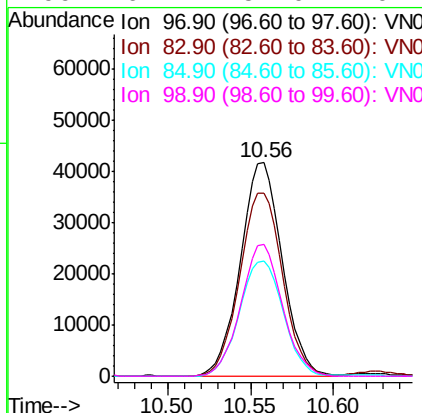
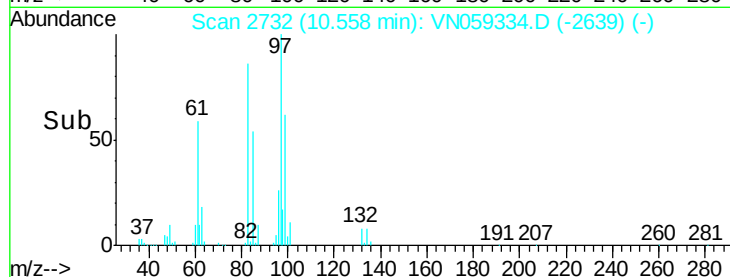
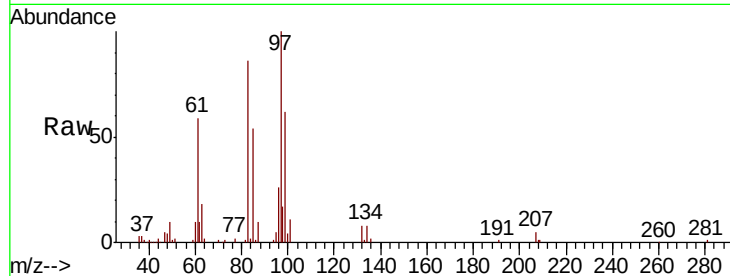
#55
 1,1,2-Trichloroethane
 Concen: 16.559 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS02

Tot Ion:	97	Resp:	73466
Ion	Ratio	Lower	Upper
97	100		
83	85.9	72.0	108.0
85	53.7	45.8	68.6
99	61.7	51.0	76.4

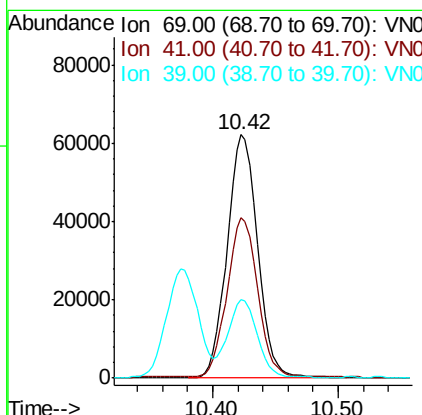
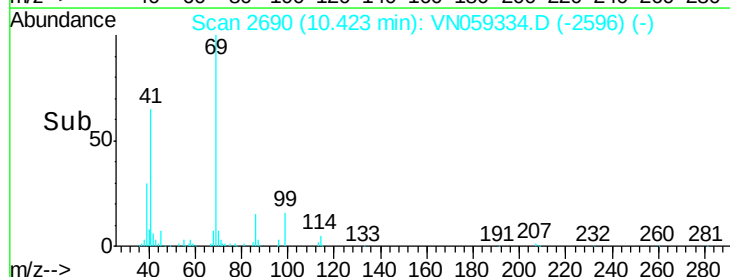
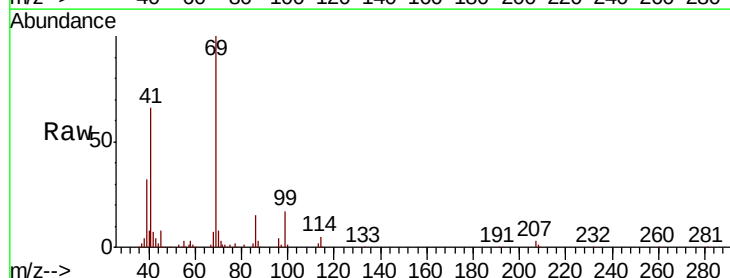
Manual Integrations
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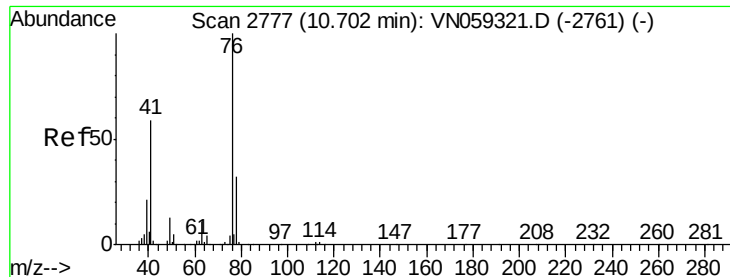
MMDadoda
 11/22/2019 3:12:10 PM



#56
 Ethyl methacrylate
 Concen: 15.603 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Tgt Ion:	69	Resp:	105091
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.7	77.5
39	31.4	25.2	37.8





#57

1,3-Dichloropropane

Concen: 16.237 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion: 76 Resp: 125552

Ion Ratio Lower Upper

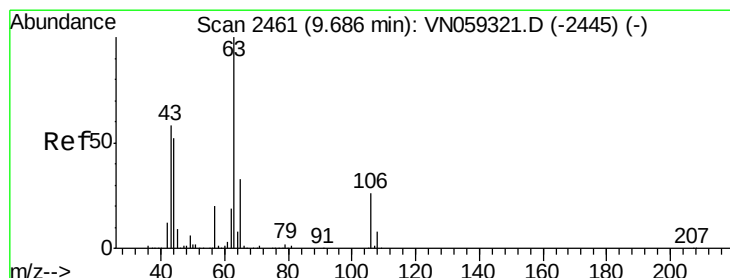
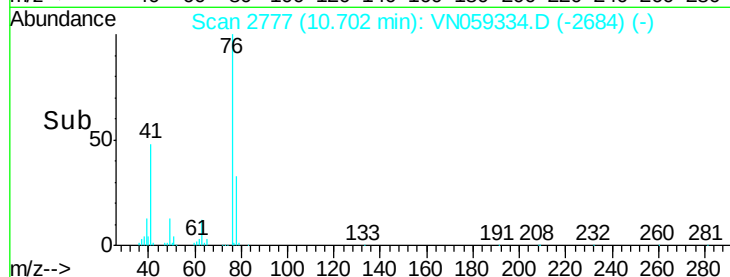
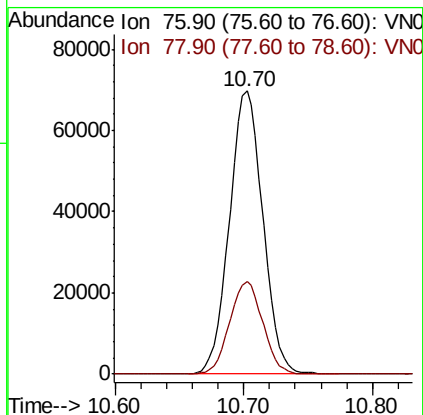
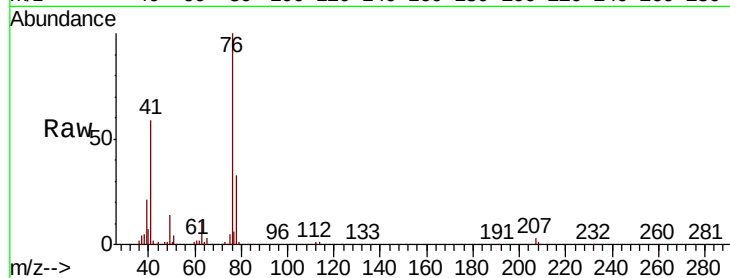
76 100

78 32.4 26.0 39.0

Manual Integrations
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MMDadoda

11/22/2019 3:12:10 PM



#58

2-Chloroethyl Vinyl ether

Concen: 82.689 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059334.D

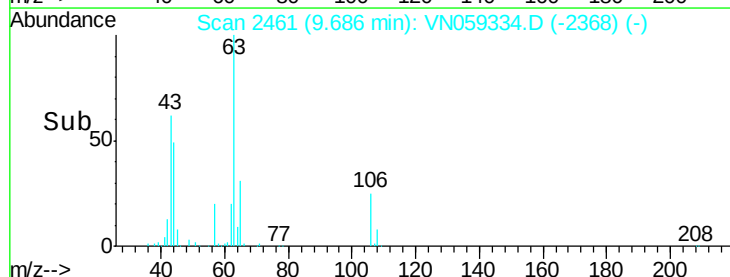
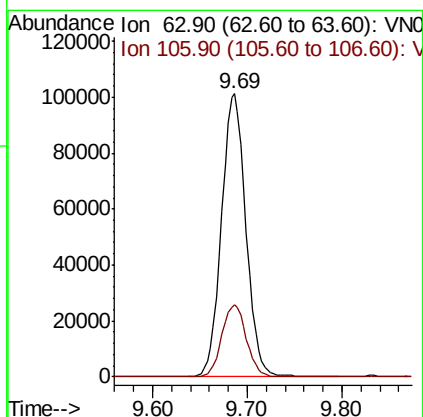
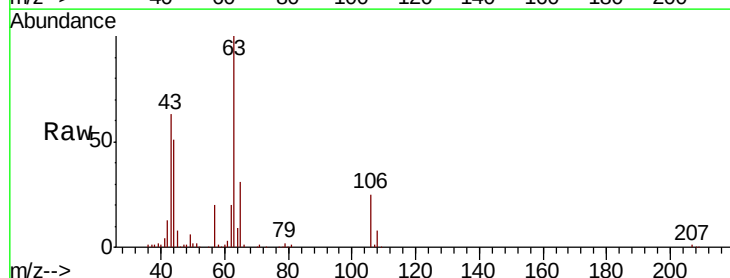
Acq: 21 Nov 2019 14:44

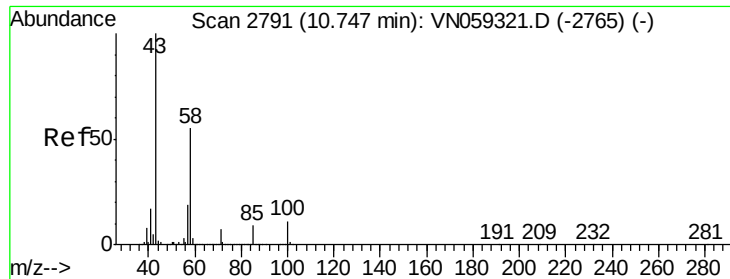
Tgt Ion: 63 Resp: 181280

Ion Ratio Lower Upper

63 100

106 25.5 20.5 30.7





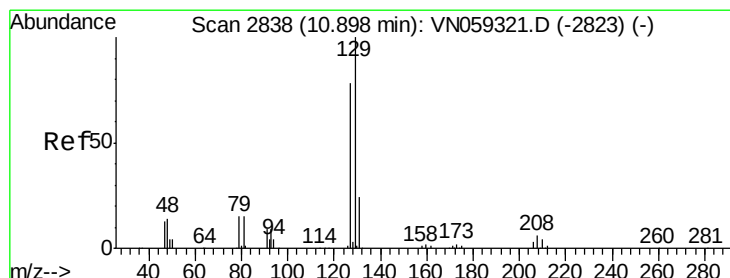
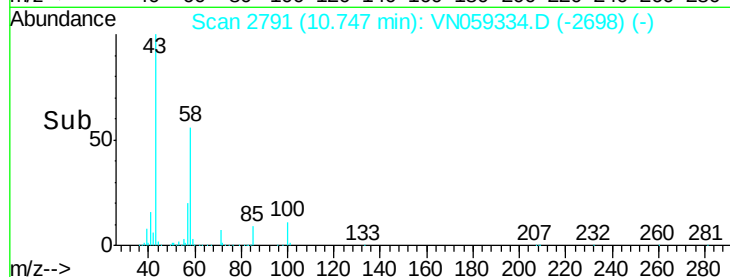
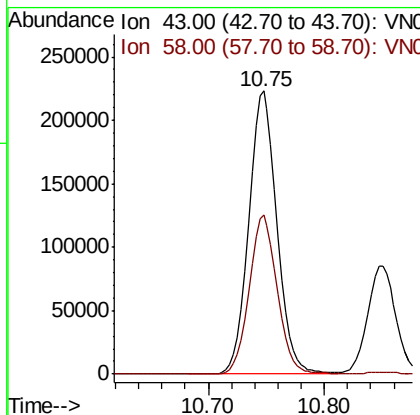
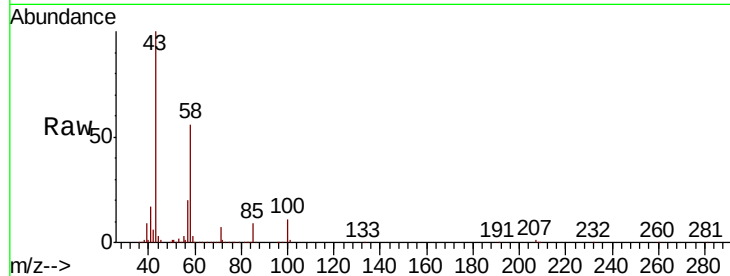
#59
2-Hexanone
Concen: 83.245 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion: 43 Resp: 378911
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.0

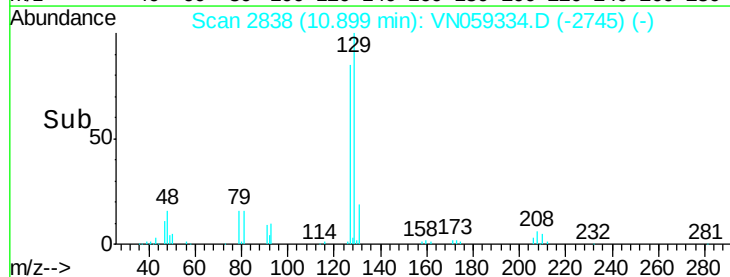
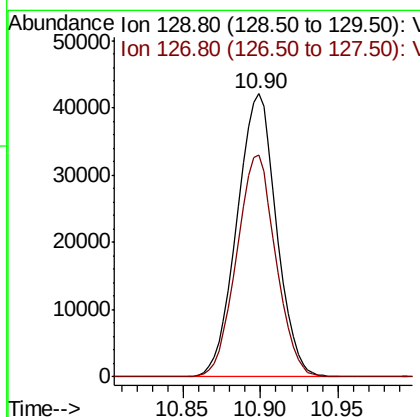
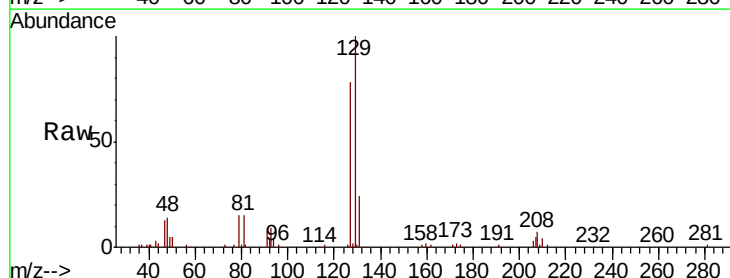
Manual Integrations
APPROVED

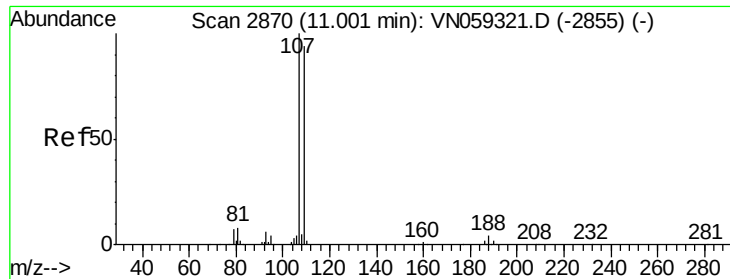
MMDadoda
11/22/2019 3:12:10 PM



#60
Dibromochloromethane
Concen: 15.989 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion: 129 Resp: 74750
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 16.162 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion: 107 Resp: 74607

Ion Ratio Lower Upper

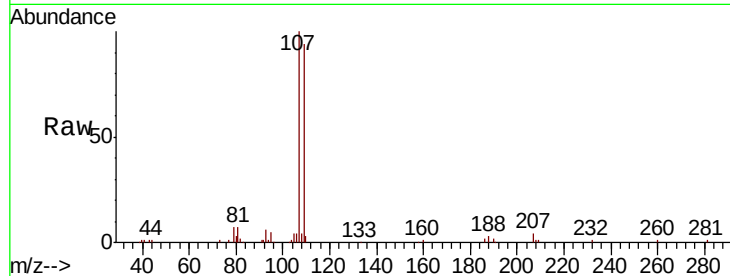
107 100

109 94.2 75.4 113.2

Manual Integrations
APPROVED

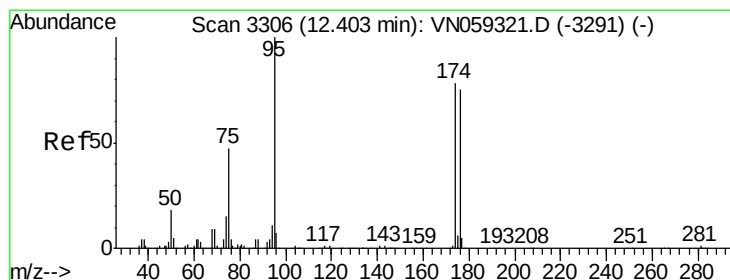
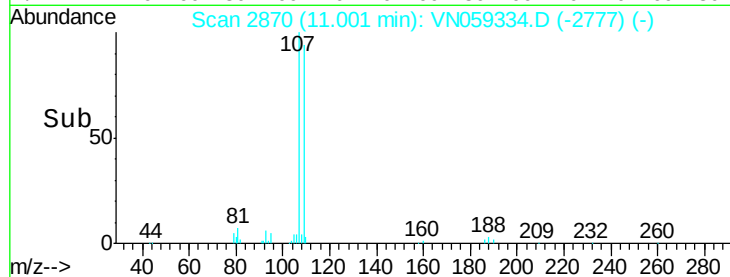
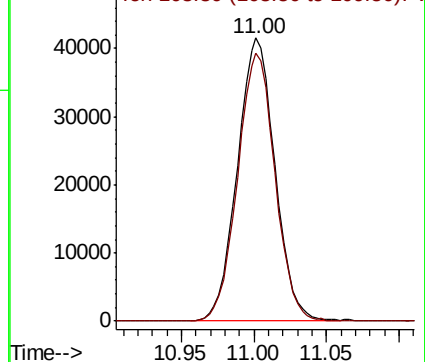
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.486 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

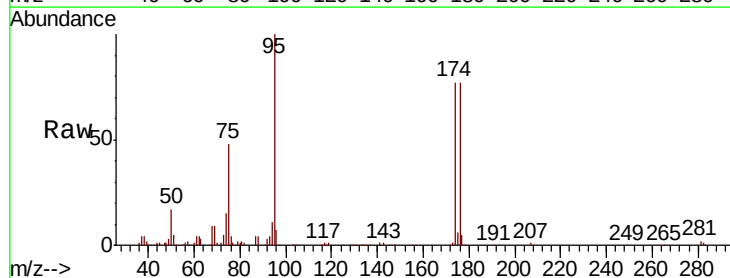
Tgt Ion: 95 Resp: 242802

Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.4

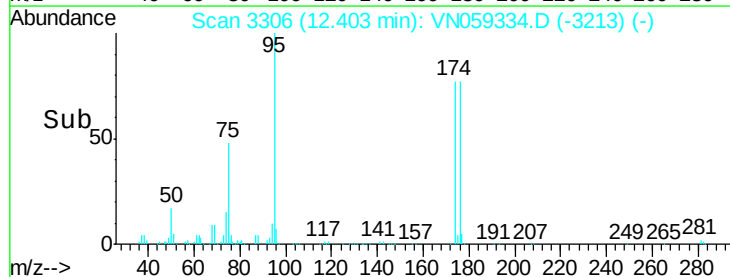
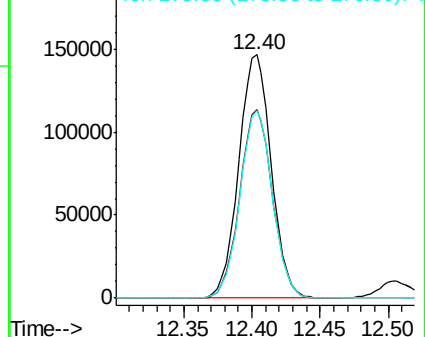
176 76.7 0.0 151.2

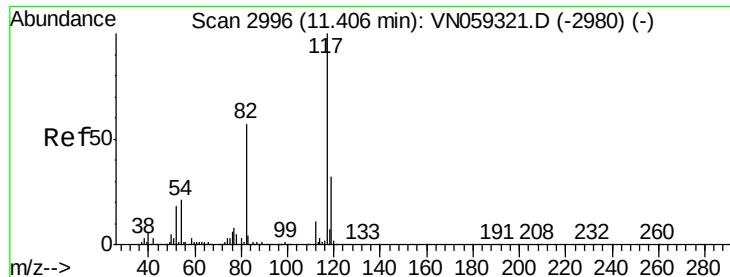


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

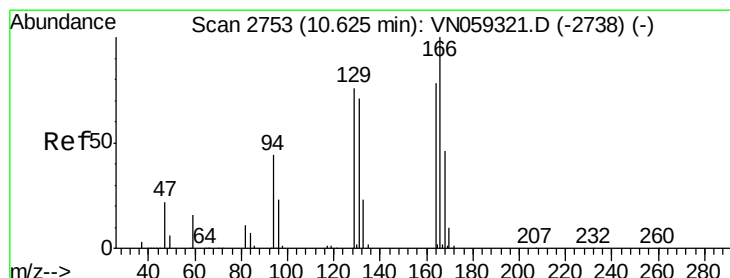
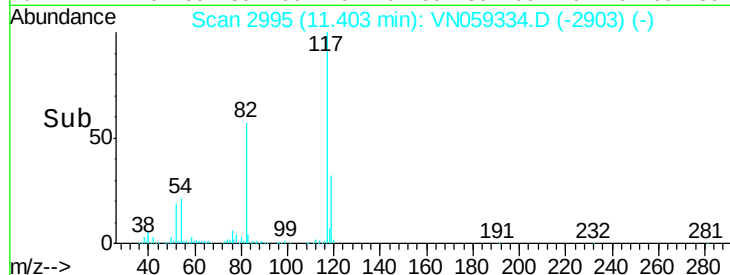
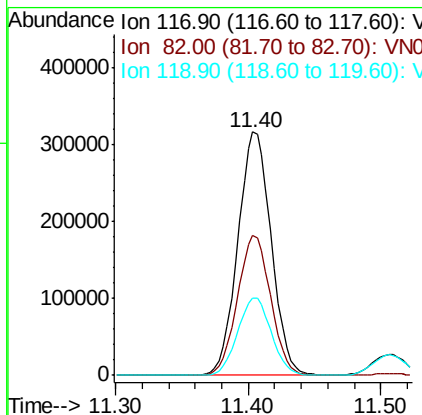
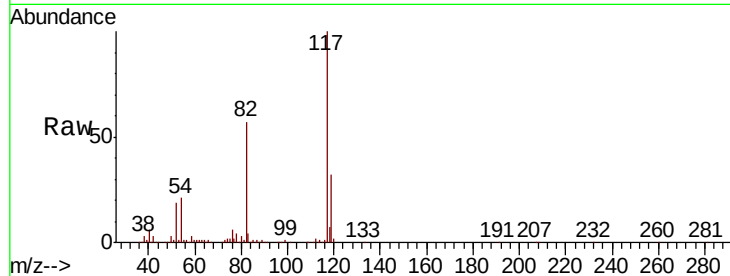
ClientSampleId :

VN1121MBS02

Tot Ion:	117	Resp:	552163
Ion Ratio		Lower	Upper
117	100		
82	57.4	45.7	68.5
119	31.8	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 15.816 ug/l

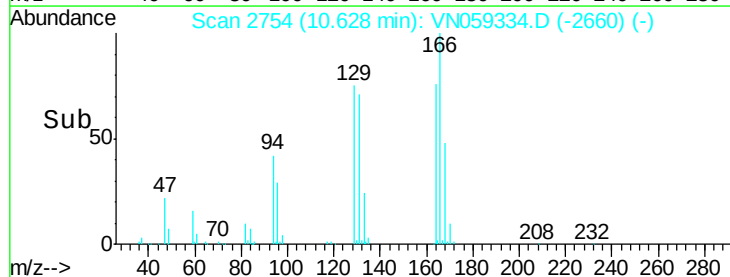
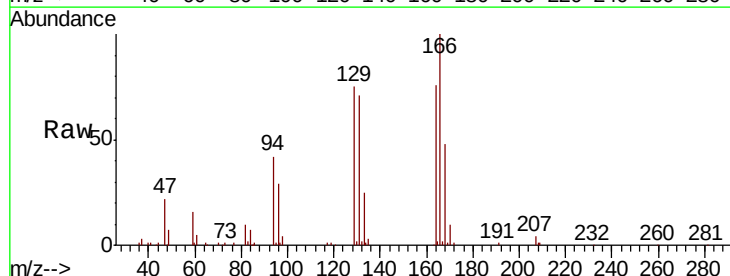
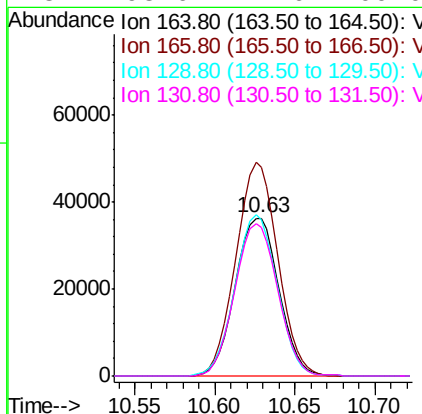
RT: 10.63 min Scan# 2754

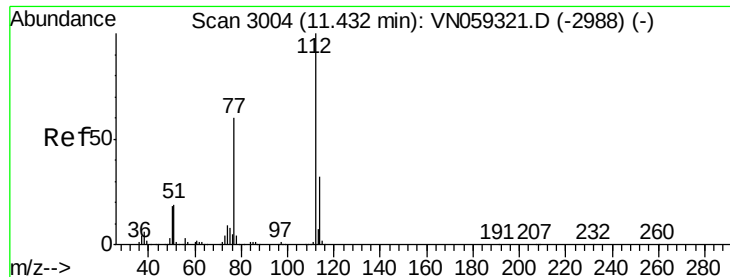
Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion:	164	Resp:	67543
Ion Ratio		Lower	Upper
164	100		
166	132.0	102.9	154.3
129	98.9	78.2	117.2
131	93.6	72.6	109.0





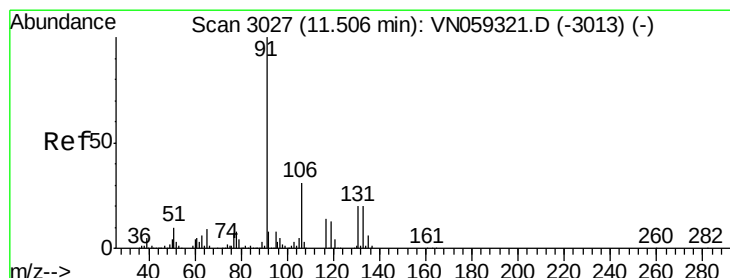
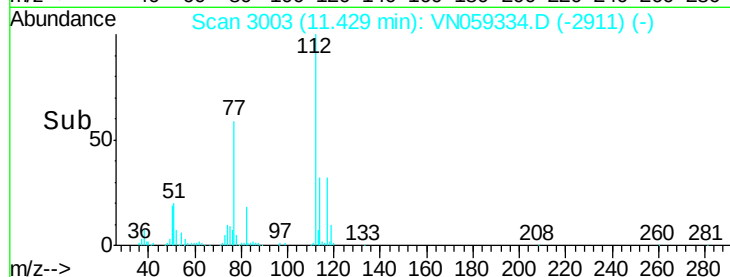
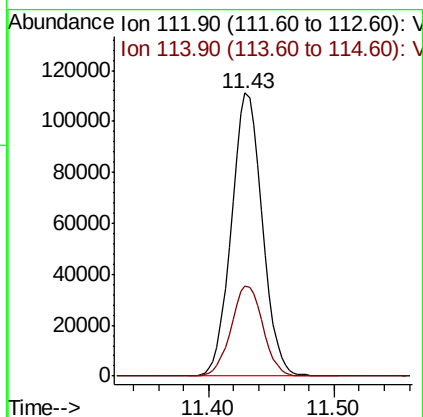
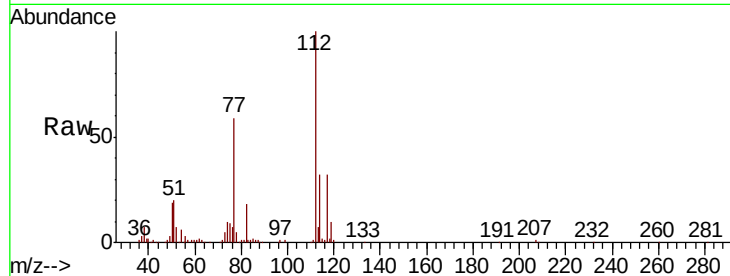
#65
Chlorobenzene
Concen: 15.997 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

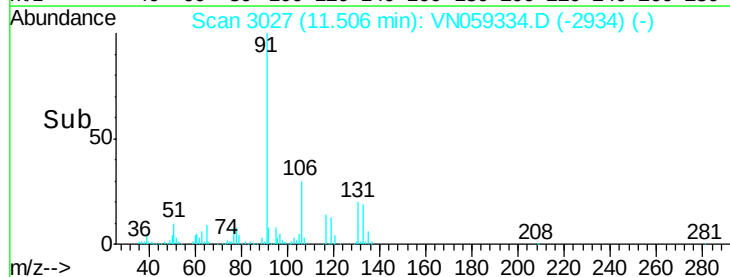
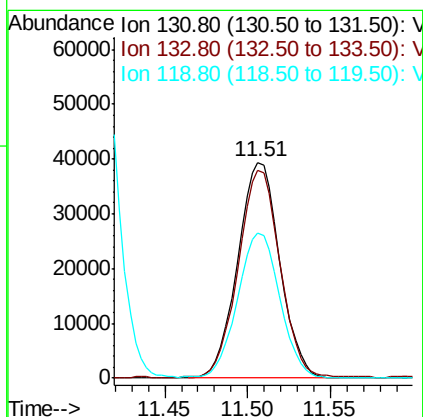
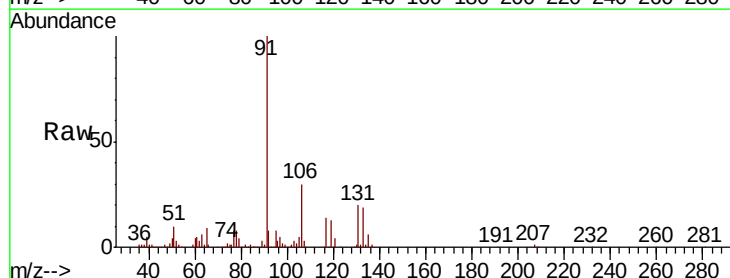
Manual Integrations
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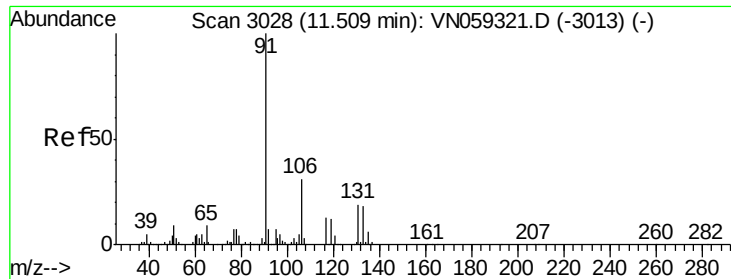
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.073 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.2	144.6
119	68.0	33.6	100.6





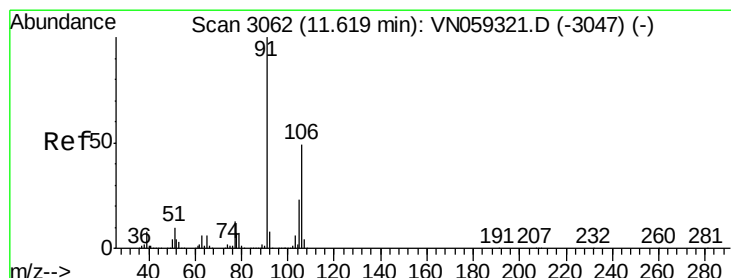
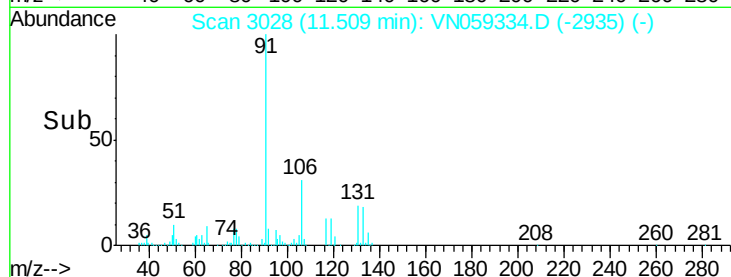
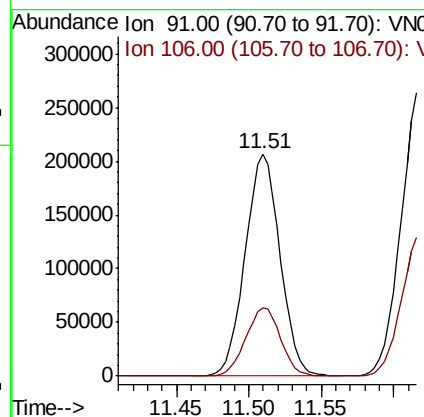
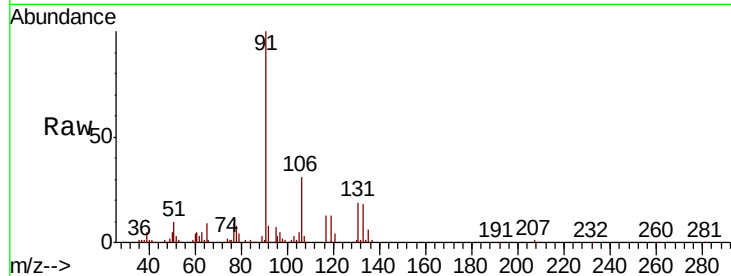
#67
Ethyl Benzene
Concen: 16.321 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion: 91 Resp: 345992
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0

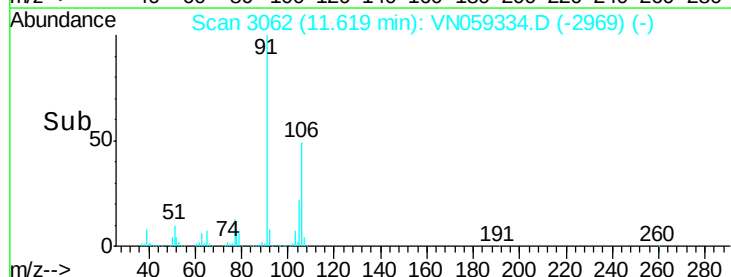
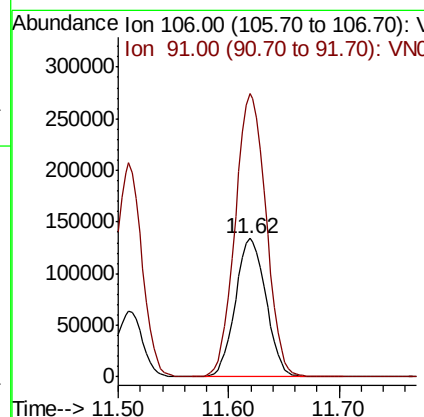
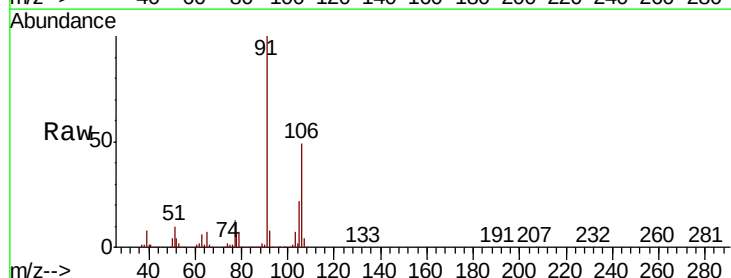
Manual Integrations
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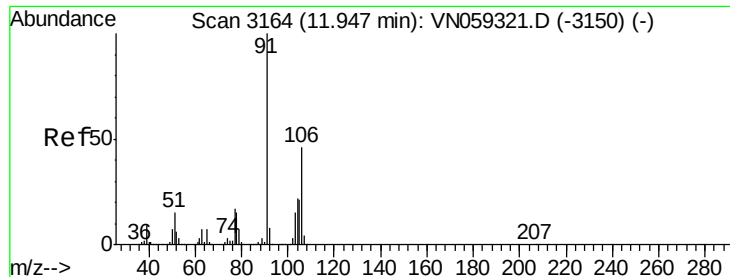
MMDadoda
11/22/2019 3:12:10 PM



#68
m/p-Xylenes
Concen: 32.740 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion: 106 Resp: 257897
Ion Ratio Lower Upper
106 100
91 205.8 163.2 244.8





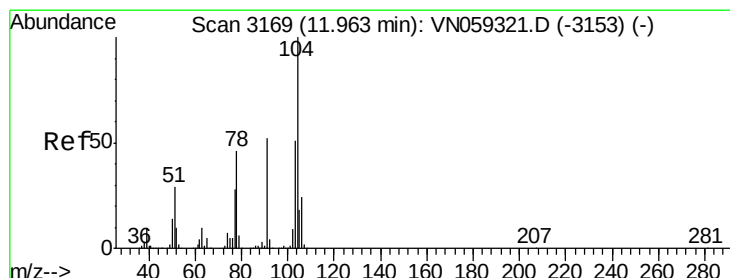
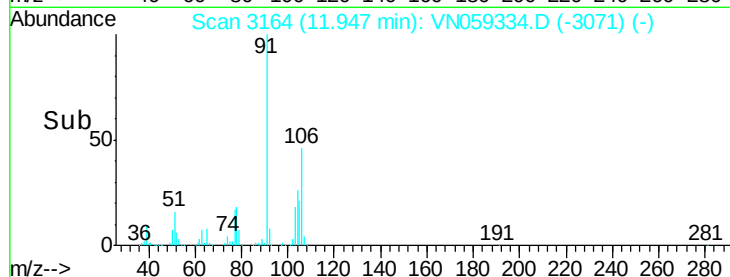
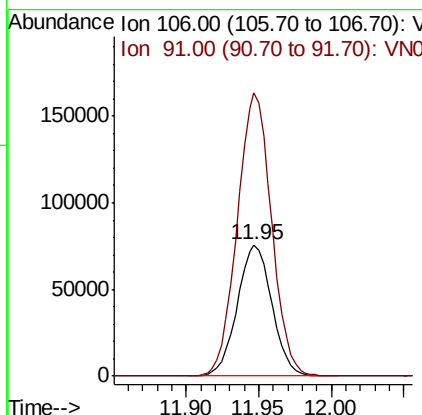
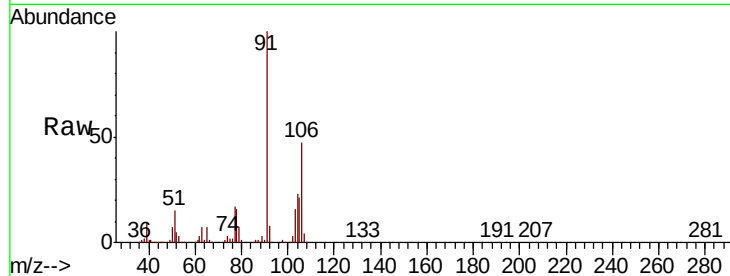
#69
o-Xylene
Concen: 16.646 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	213.6	109.3	327.9	

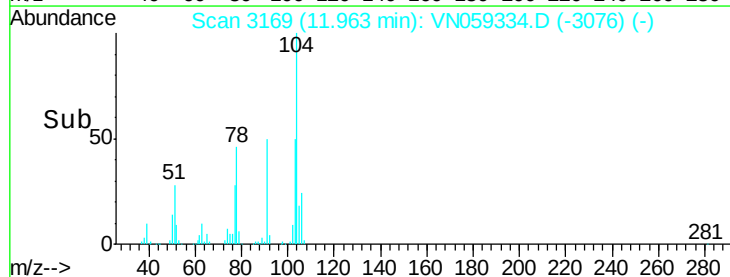
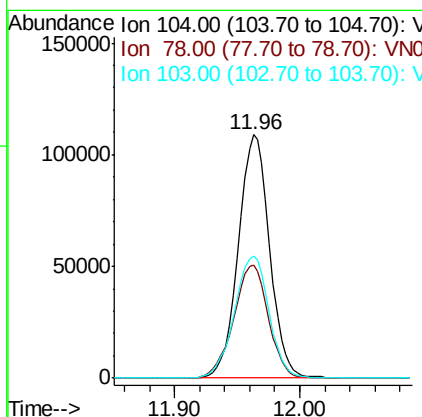
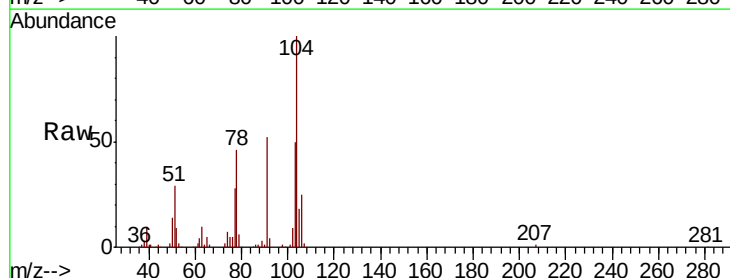
Manual Integrations
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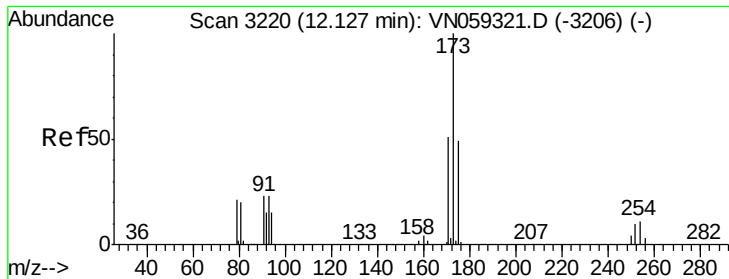
MMDadoda
11/22/2019 3:12:10 PM



#70
Styrene
Concen: 15.863 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.9	40.3	60.5	
103	55.4	43.6	65.4	





#71

Bromoform

Concen: 15.951 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

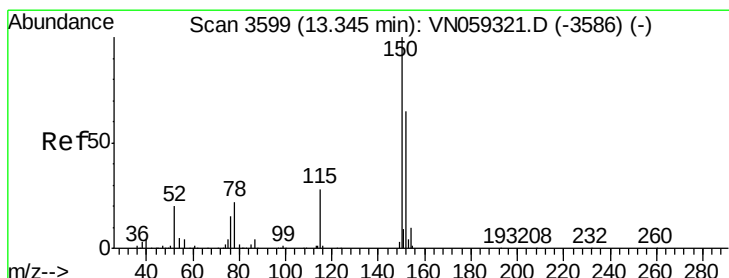
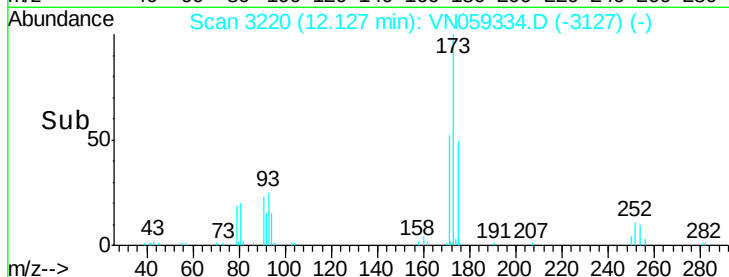
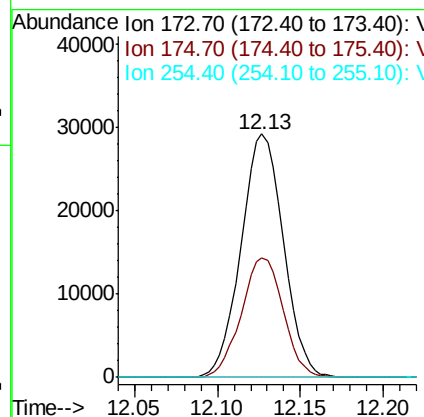
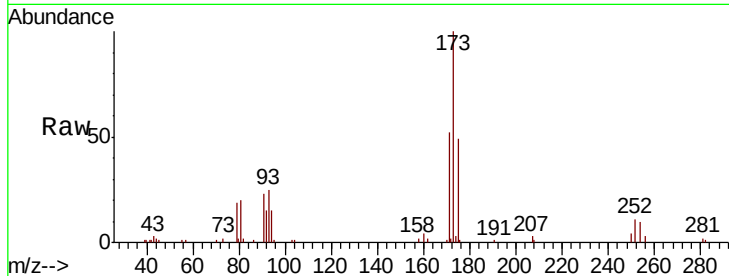
ClientSampleId :

VN1121MBS02

Tot Ion:	173	Resp:	52105
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.6	73.6
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

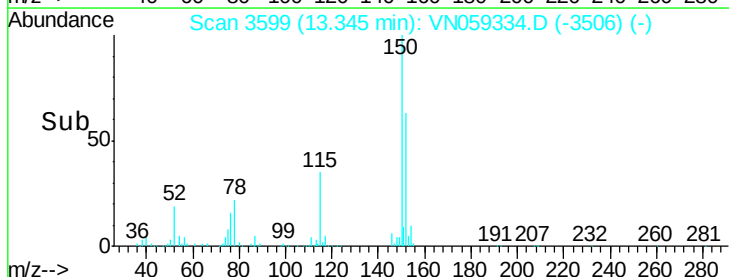
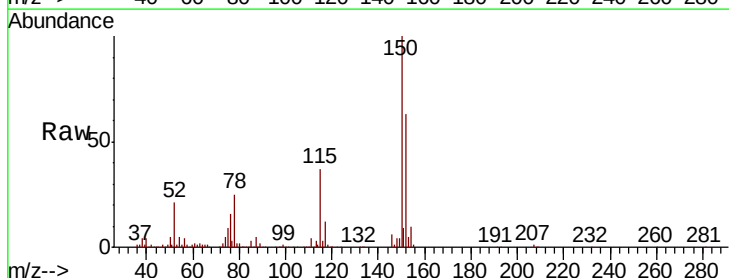
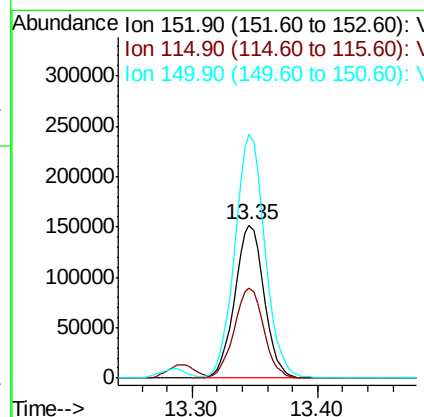
RT: 13.35 min Scan# 3599

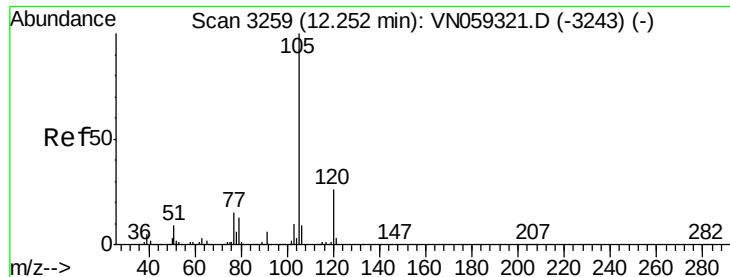
Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion:	152	Resp:	246215
Ion Ratio	Lower	Upper	
152	100		
115	59.4	29.3	88.0
150	163.7	0.0	346.0





#73

Isopropylbenzene

Concen: 16.330 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion:105 Resp: 329374

Ion Ratio Lower Upper

105 100

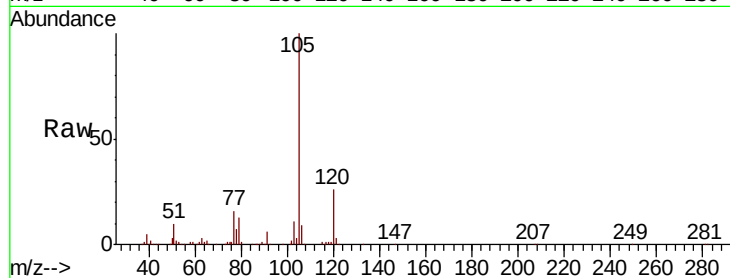
120 26.3 13.1 39.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

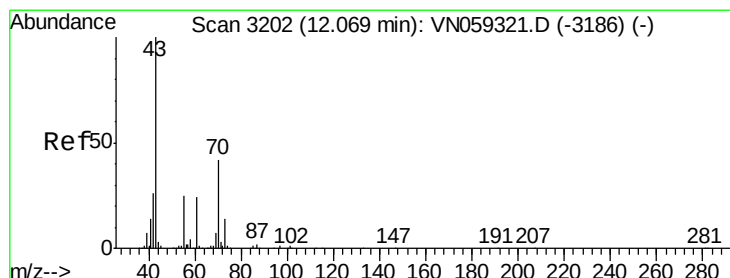
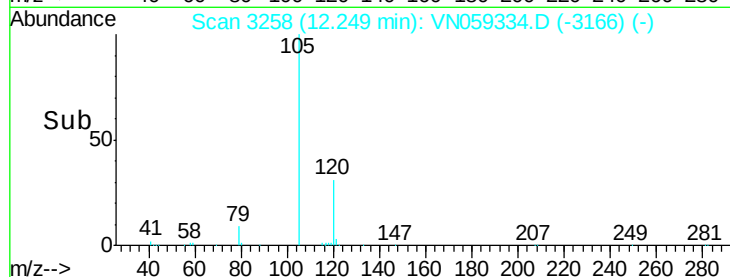
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 15.271 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion: 43 Resp: 123783

Ion Ratio Lower Upper

43 100

70 43.3 33.8 50.6

55 27.3 20.3 30.5

61 25.1 19.9 29.9

Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

120000

100000

80000

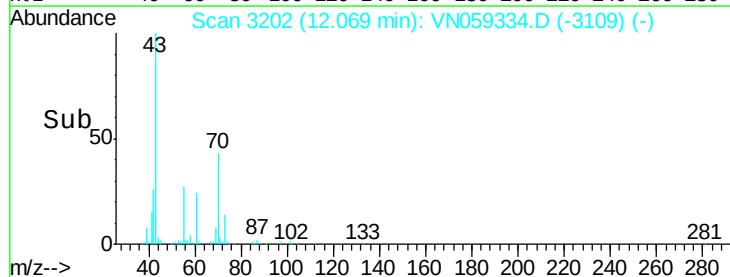
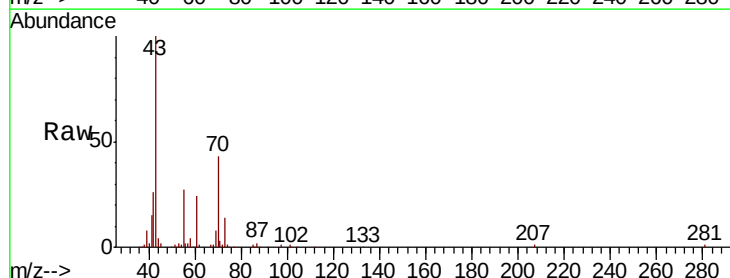
60000

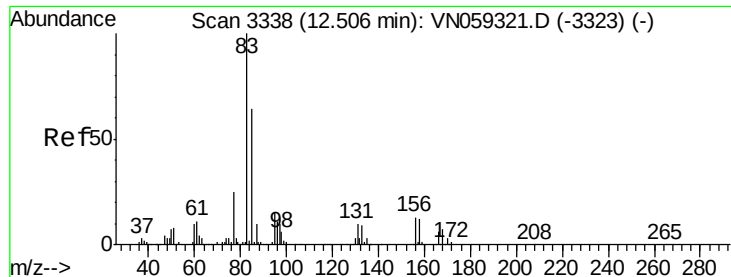
40000

20000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 16.205 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion: 83 Resp: 108118
Ion Ratio Lower Upper

83 100

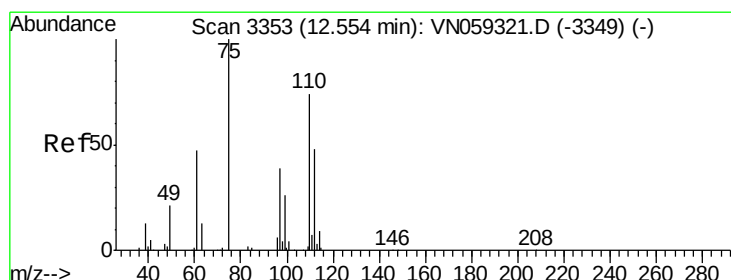
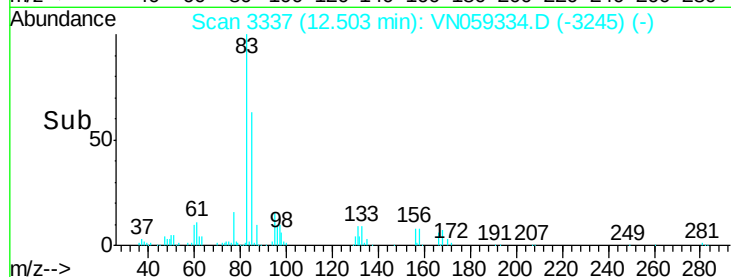
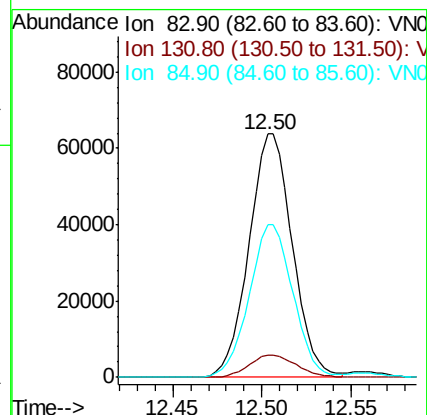
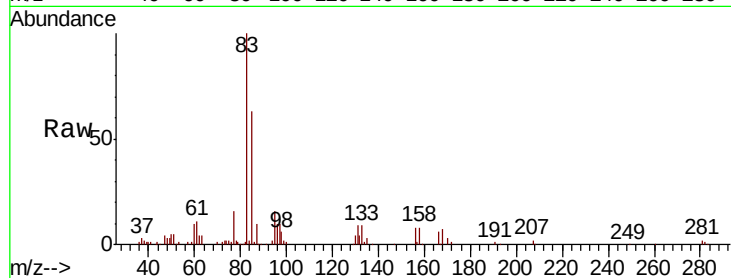
131 9.9 5.0 14.9

85 63.2 32.1 96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.213 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

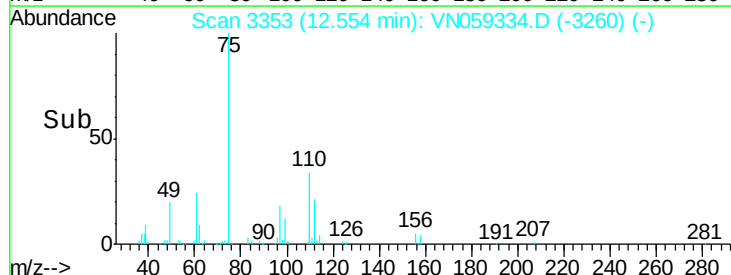
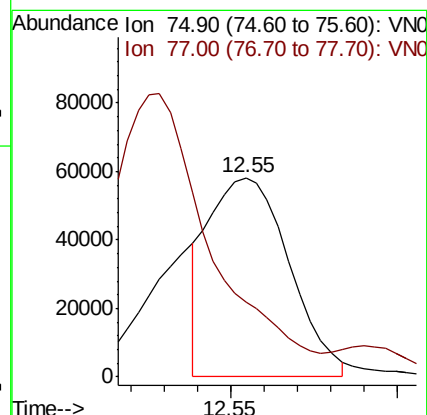
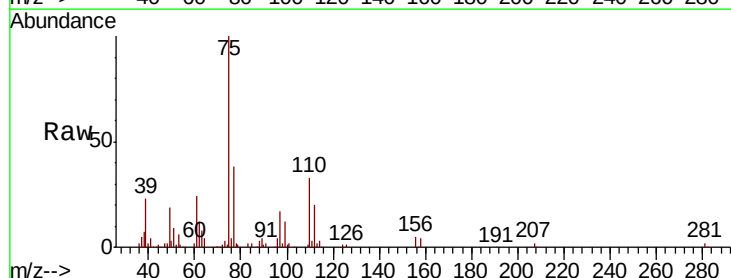
Lab File: VN059334.D

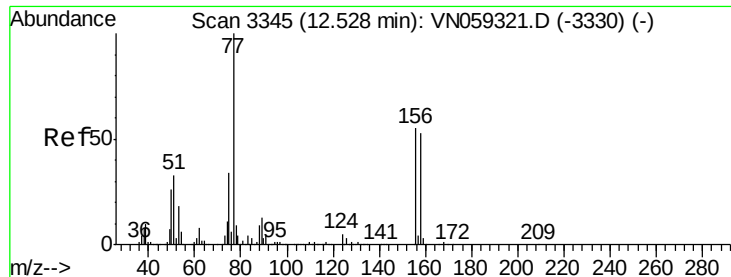
Acq: 21 Nov 2019 14:44

Tgt Ion: 75 Resp: 97910
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 16.108 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

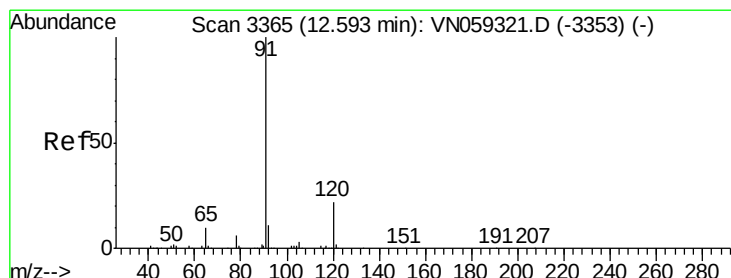
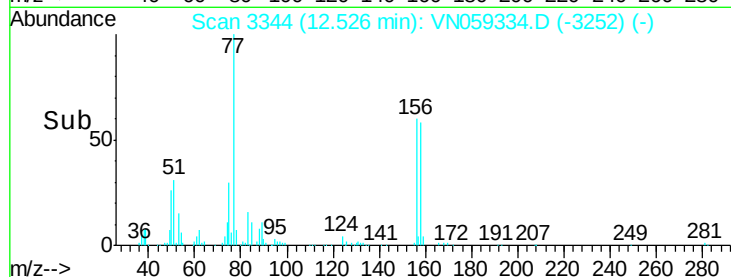
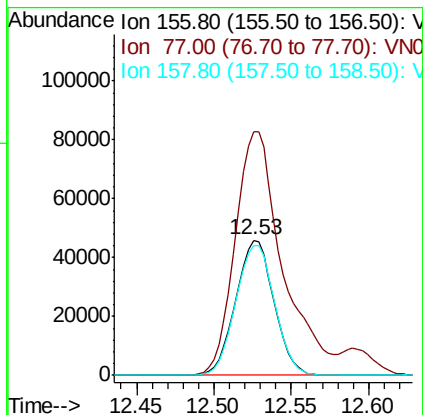
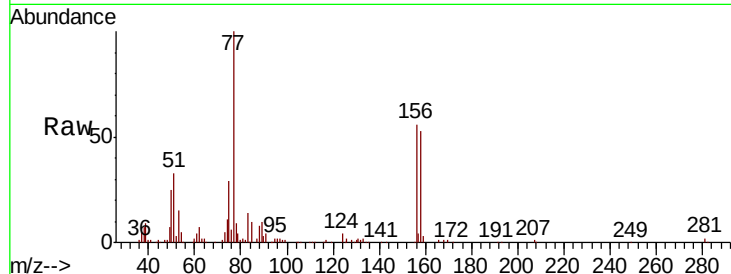
ClientSampleId :

VN1121MBS02

Tot Ion:	156	Resp:	78803
Ion Ratio	Lower	Upper	
156	100		
77	222.9	111.1	333.4
158	98.1	47.8	143.4

Manual Integrations
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#78

n-propylbenzene

Concen: 16.382 ug/l

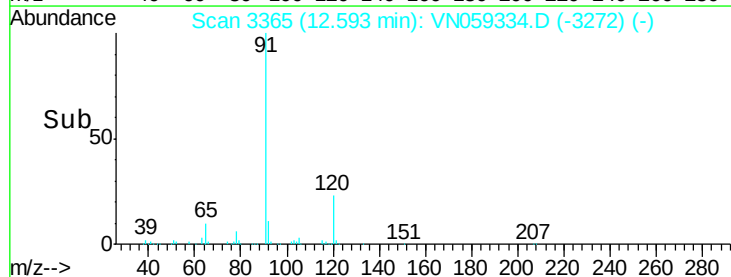
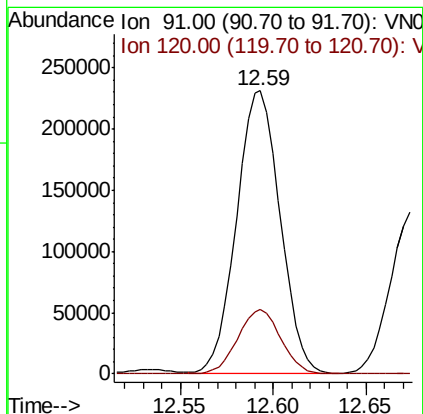
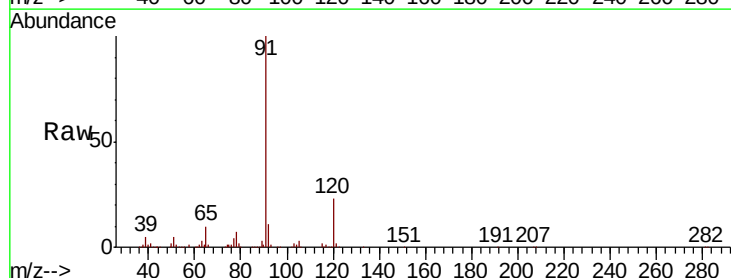
RT: 12.59 min Scan# 3365

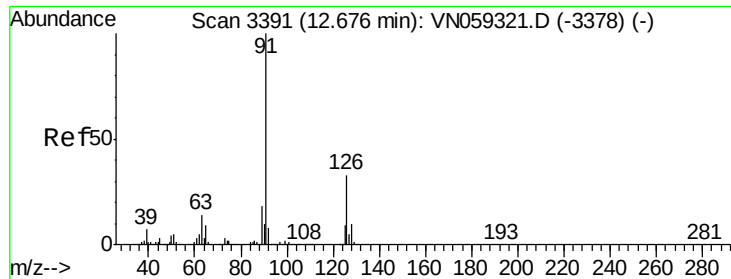
Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion:	91	Resp:	374270
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9





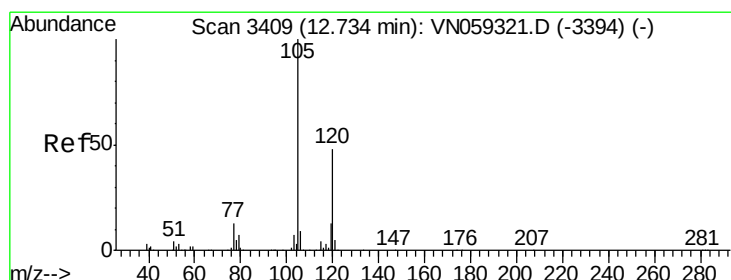
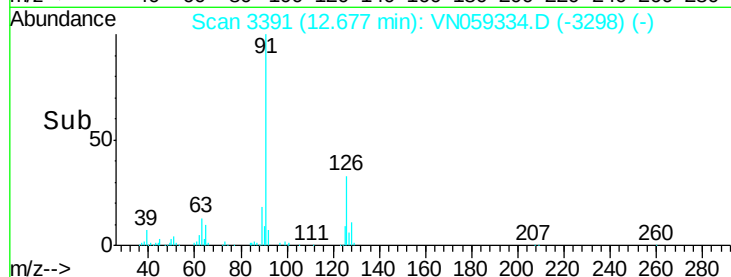
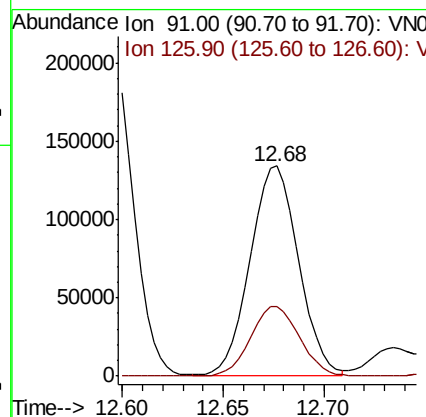
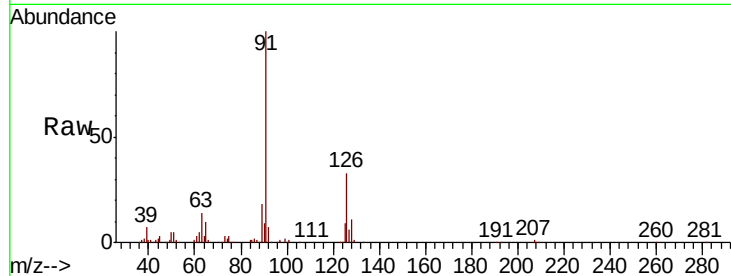
#79
 2-Chlorotoluene
 Concen: 15.969 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS02

Tot Ion: 91 Resp: 223946
 Ion Ratio Lower Upper
 91 100
 126 34.0 16.7 50.1

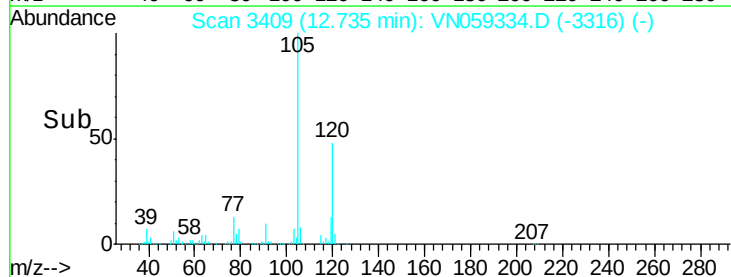
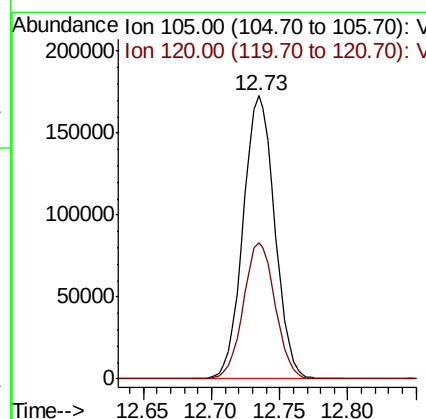
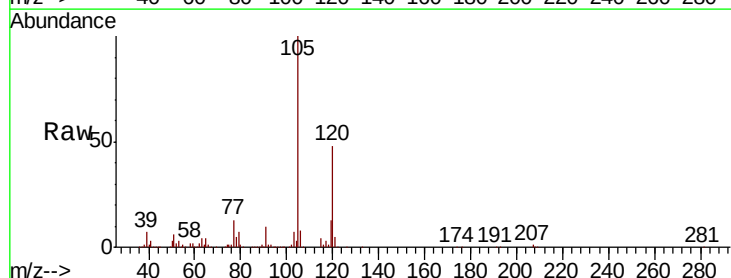
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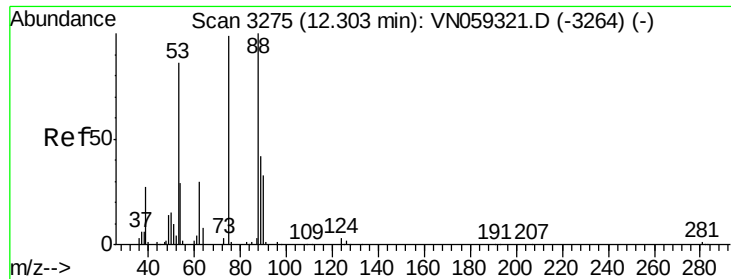
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#80
 1,3,5-Trimethylbenzene
 Concen: 16.376 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Tgt Ion: 105 Resp: 277651
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.4





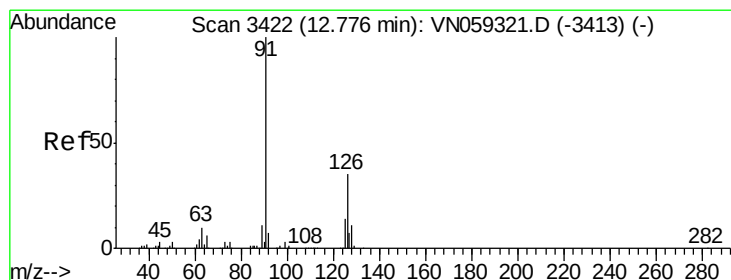
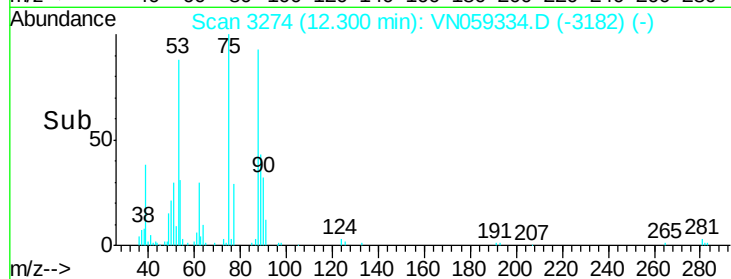
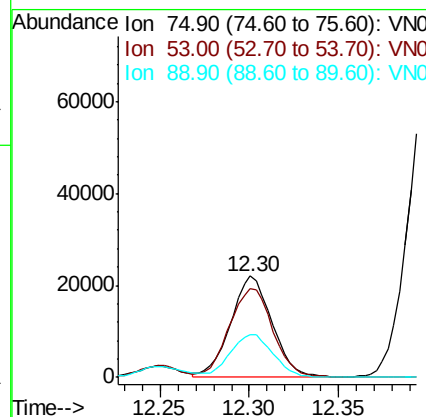
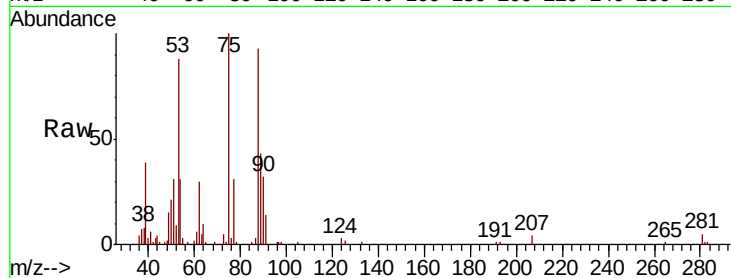
#81
trans-1,4-Dichloro-2-butene
Concen: 15.527 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.3	70.7	106.1
89	44.5	35.4	53.0

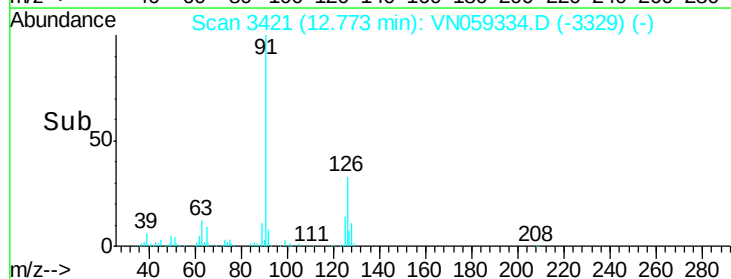
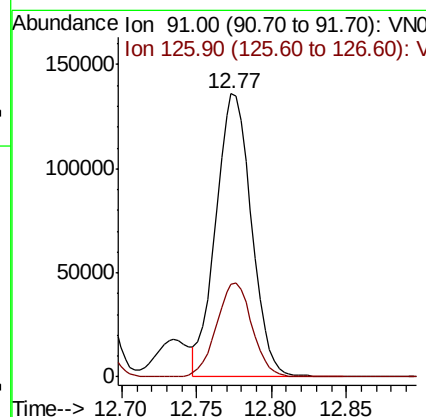
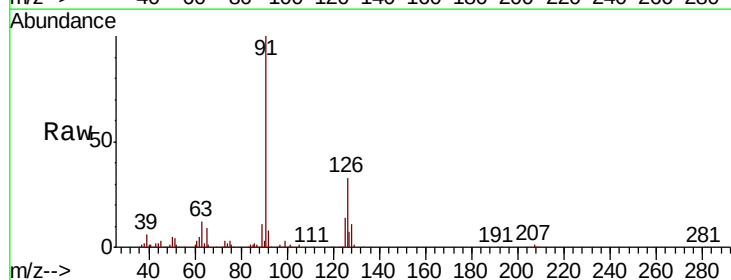
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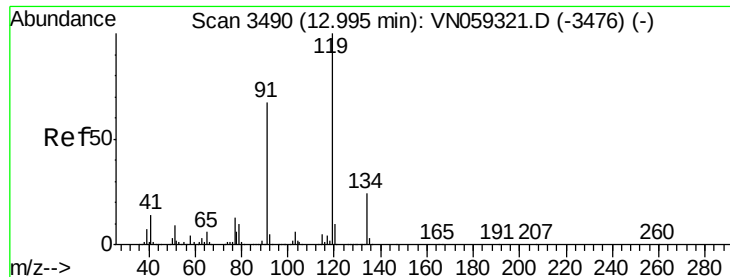
MMDadoda
11/22/2019 3:12:10 PM



#82
4-Chlorotoluene
Concen: 15.488 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.2	48.6





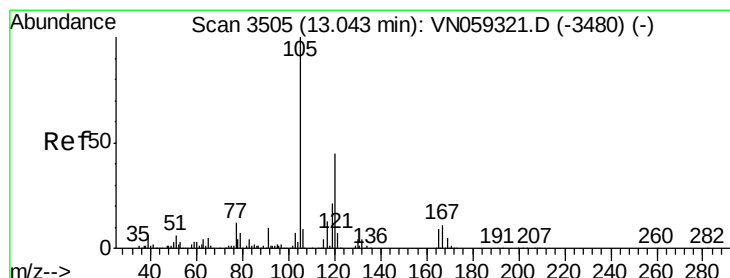
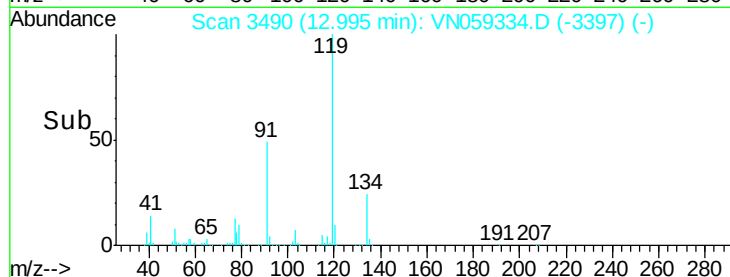
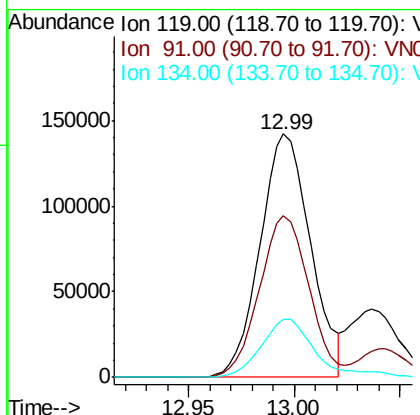
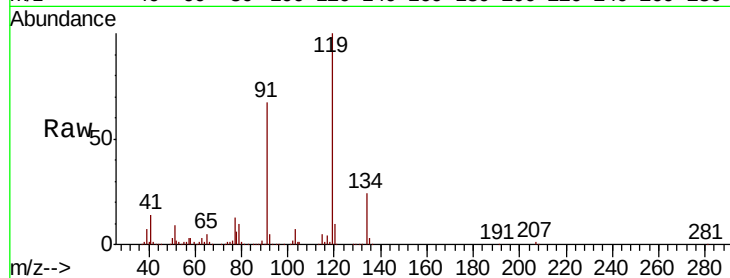
#83
tert-Butylbenzene
Concen: 16.555 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.8	98.4
134	25.8	13.0	38.9

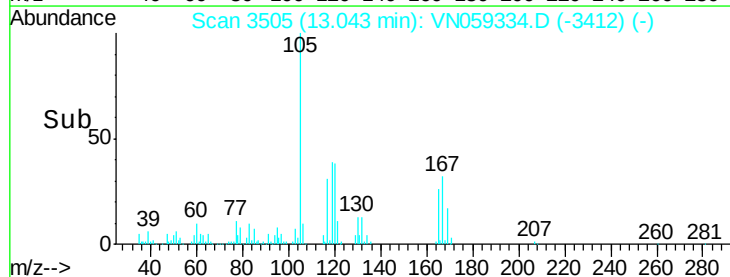
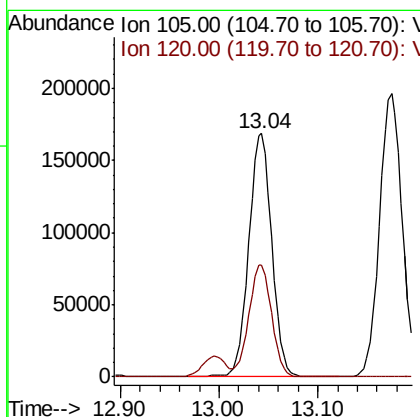
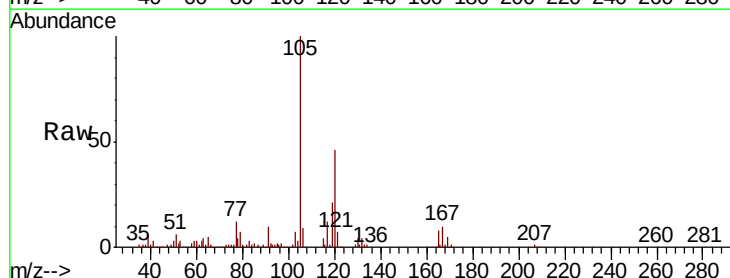
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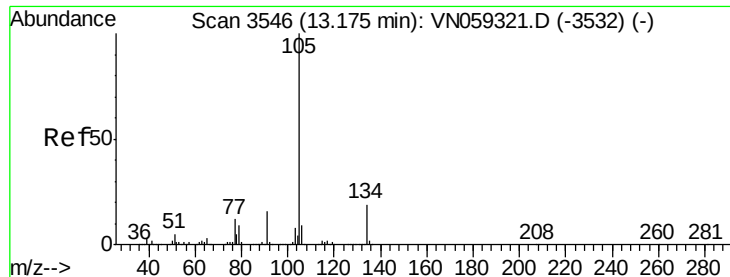
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#84
1,2,4-Trimethylbenzene
Concen: 16.305 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.6	67.8





#85

sec-Butylbenzene

Concen: 16.278 ug/l

RT: 13.18 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS02

Tot Ion:105 Resp: 313294

Ion Ratio Lower Upper

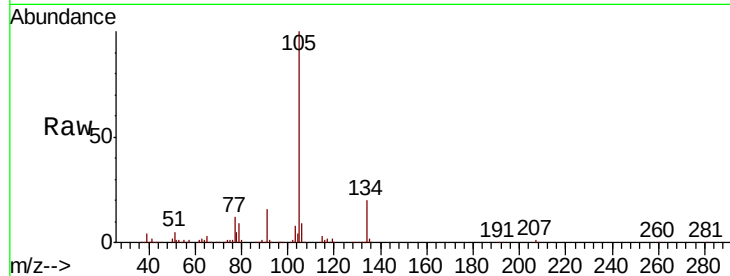
105 100

134 19.6 9.8 29.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

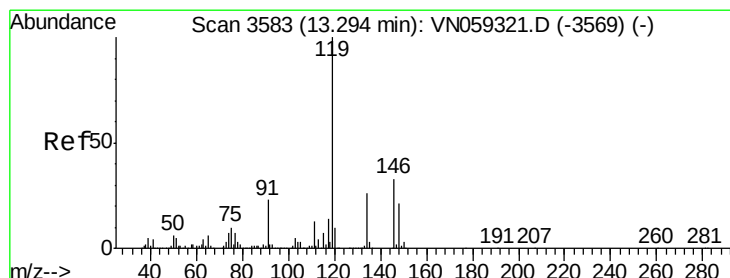
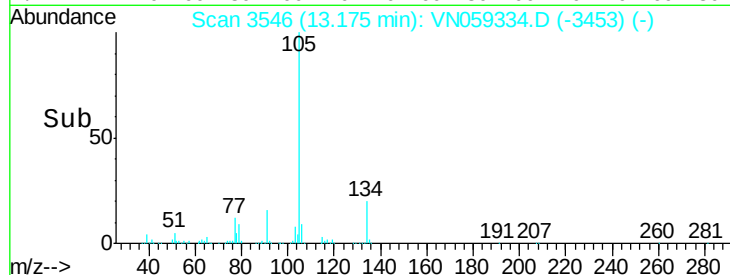
50000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 16.382 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

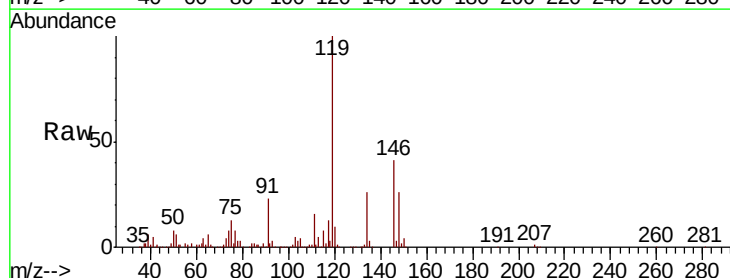
Tgt Ion:119 Resp: 280576

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 23.6 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

50000

0

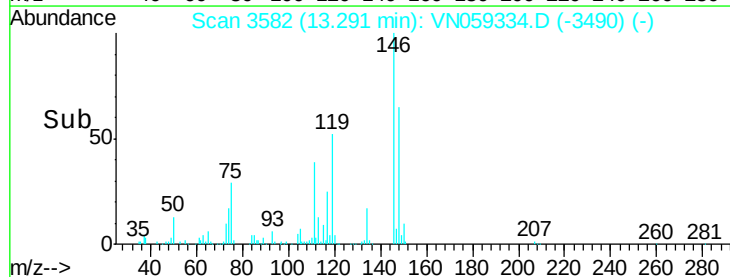
13.20

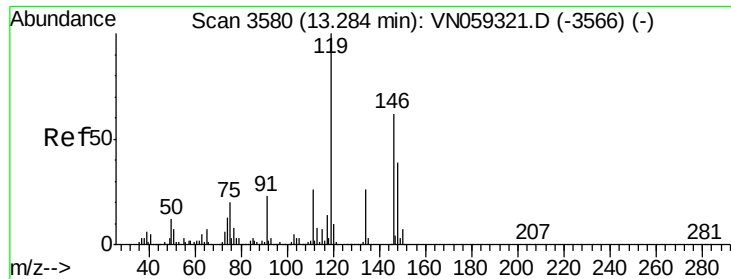
13.25

13.30

13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 15.741 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059334.D

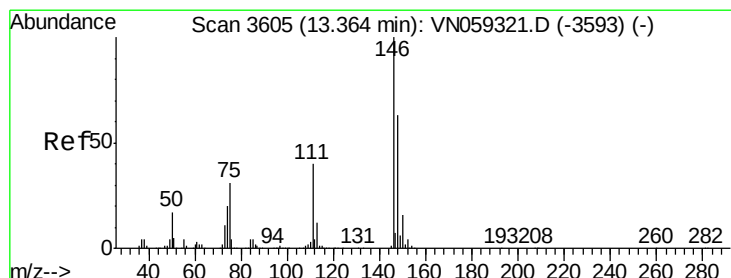
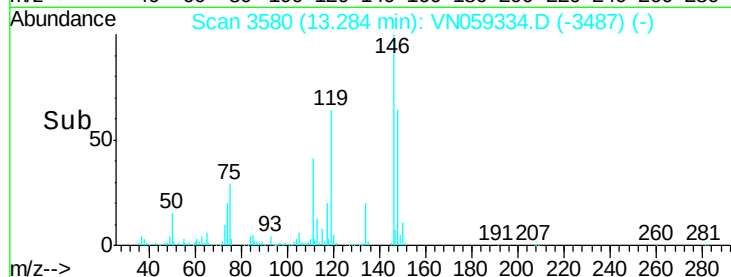
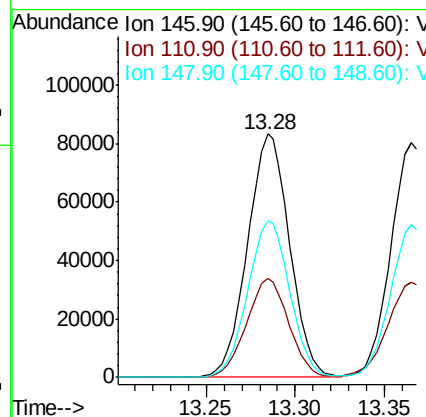
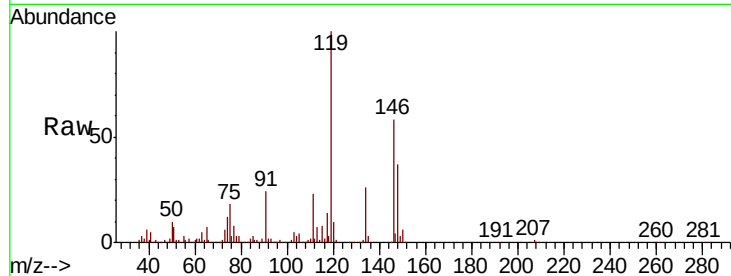
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	64.6	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 15.500 ug/l

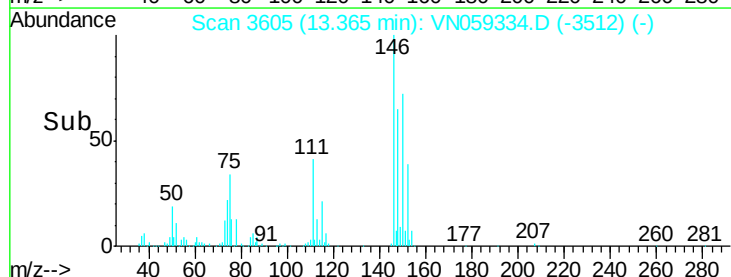
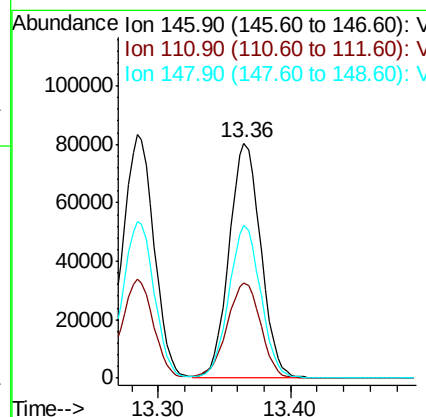
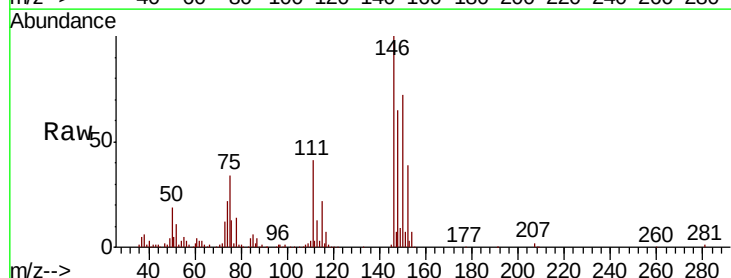
RT: 13.36 min Scan# 3605

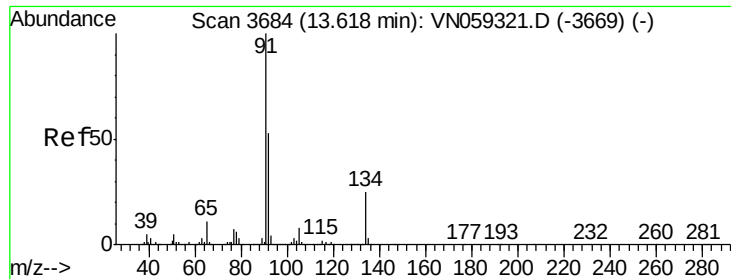
Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.1	60.3
148	65.4	31.7	95.1





#89

n-Butylbenzene

Concen: 15.674 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

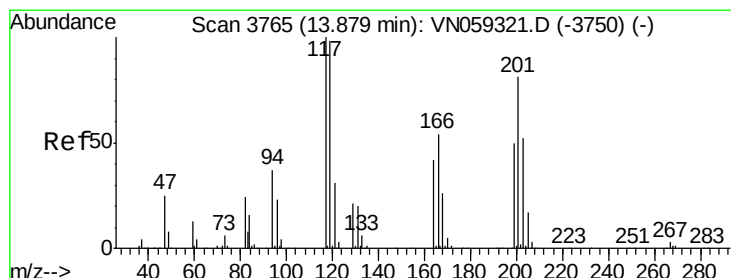
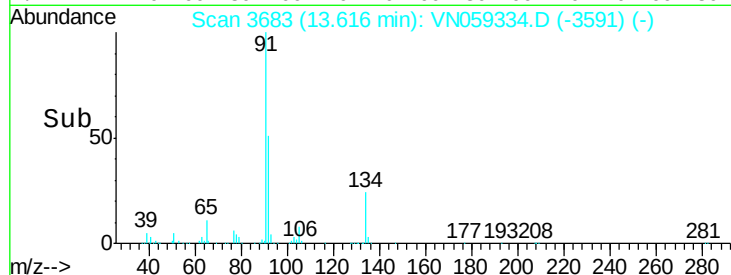
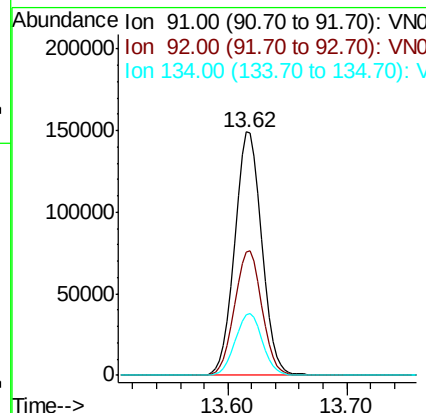
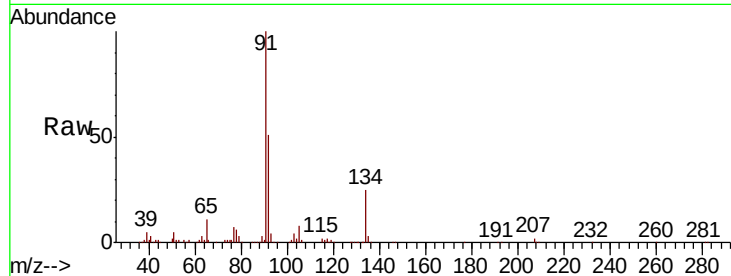
ClientSampleId :

VN1121MBS02

Tot Ion:	91	Resp:	235484
Ion Ratio	Lower	Upper	
91	100		
92	51.6	26.0	78.0
134	25.6	12.7	38.1

Manual Integrations
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#90

Hexachloroethane

Concen: 15.425 ug/l

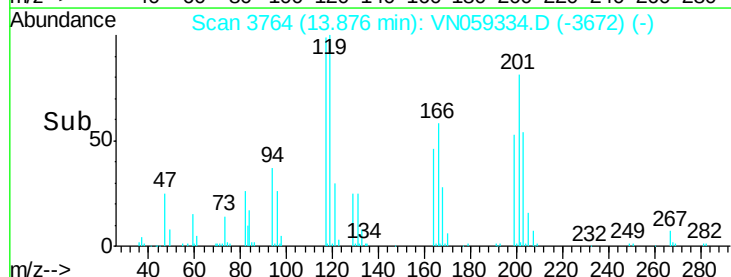
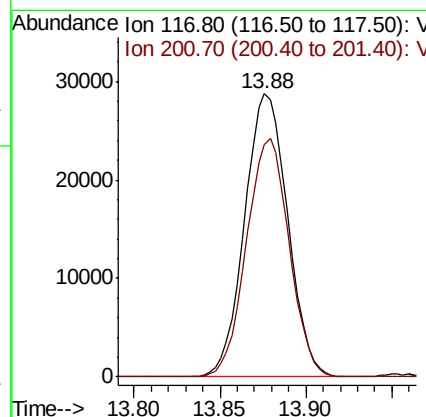
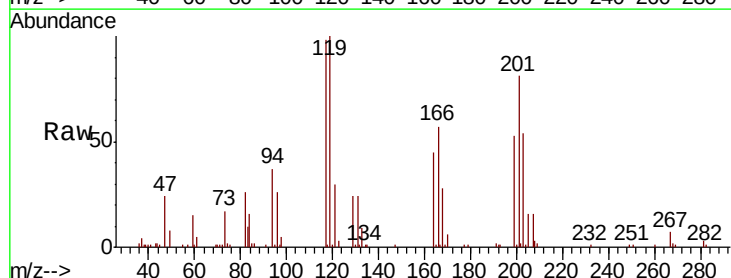
RT: 13.88 min Scan# 3764

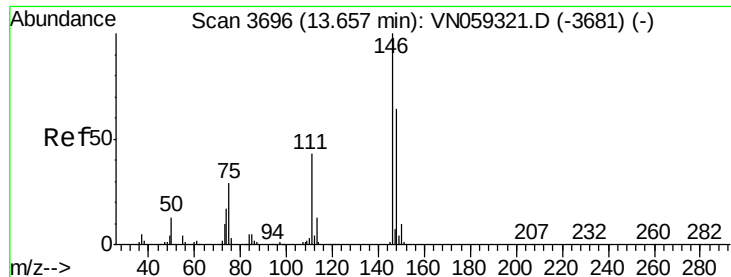
Delta R.T. -0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion:	117	Resp:	50031
Ion Ratio	Lower	Upper	
117	100		
201	83.3	40.4	121.2





#91

1,2-Dichlorobenzene

Concen: 15.920 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Instrument :

MSVOA_N

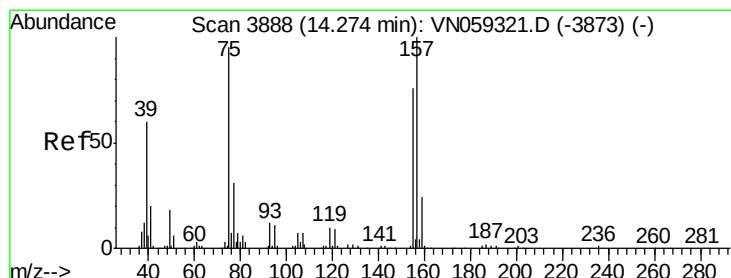
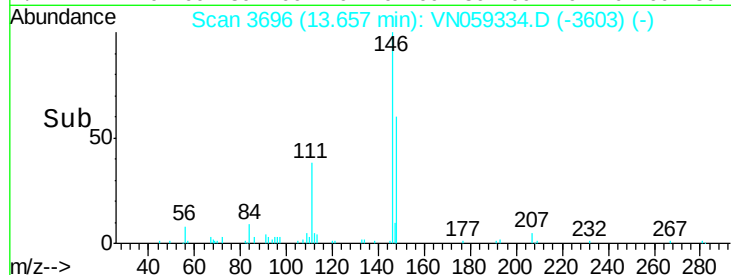
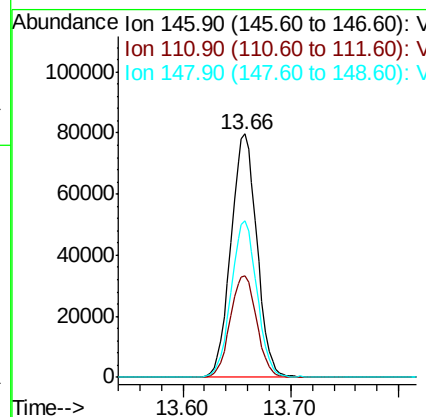
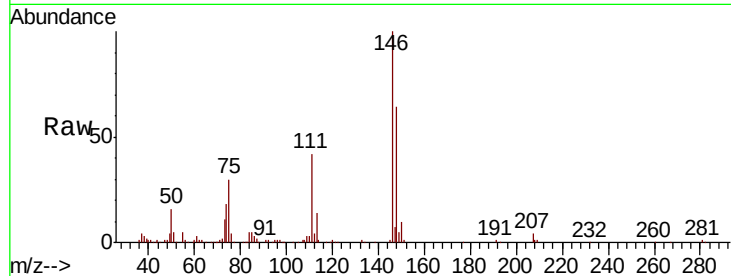
ClientSampleId :

VN1121MBS02

Tot Ion:	146	Resp:	134190
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.3	64.0
148	63.8	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 14.412 ug/l

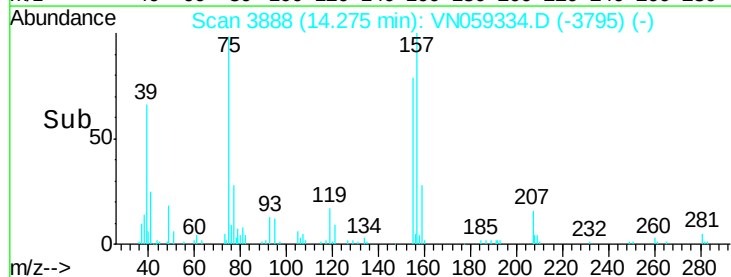
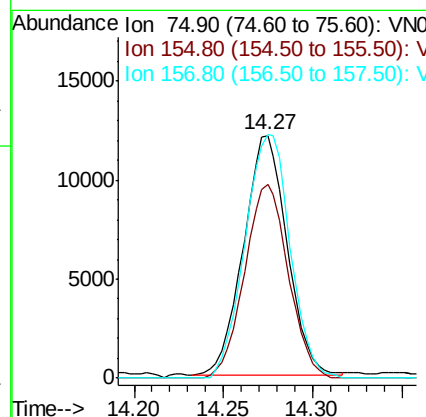
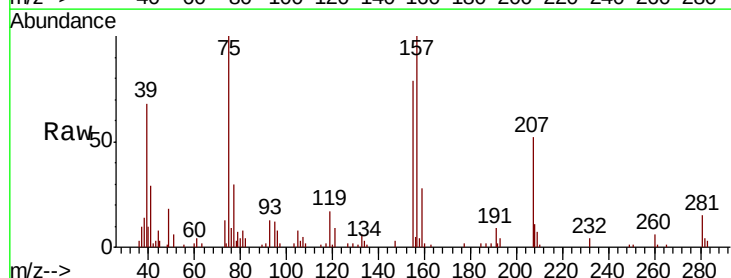
RT: 14.27 min Scan# 3888

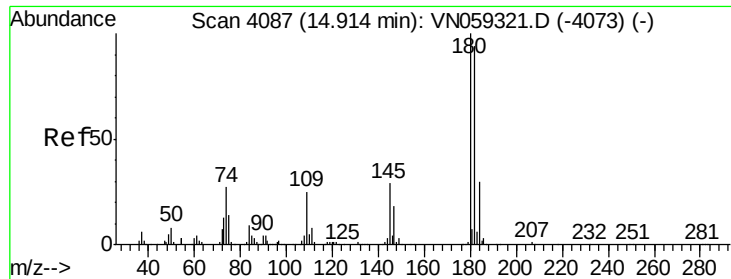
Delta R.T. 0.00 min

Lab File: VN059334.D

Acq: 21 Nov 2019 14:44

Tgt Ion:	75	Resp:	20443
Ion Ratio	Lower	Upper	
75	100		
155	81.5	40.5	121.5
157	106.3	52.7	158.1





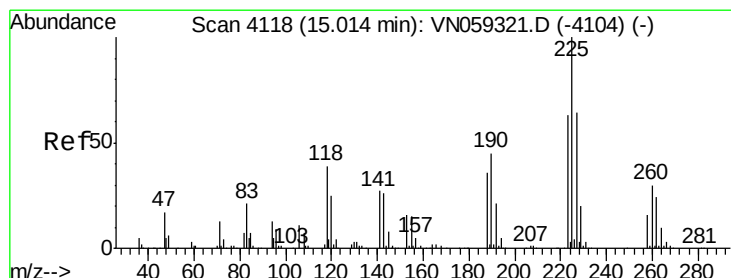
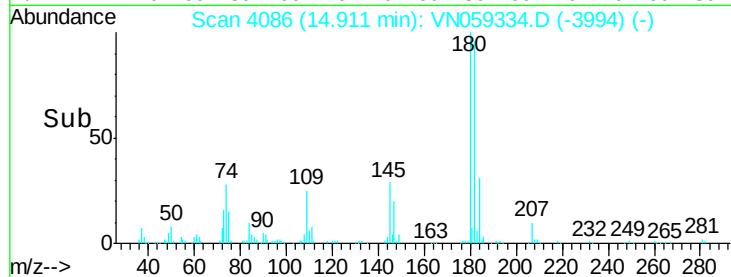
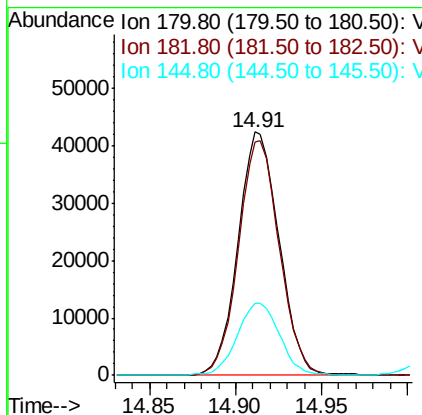
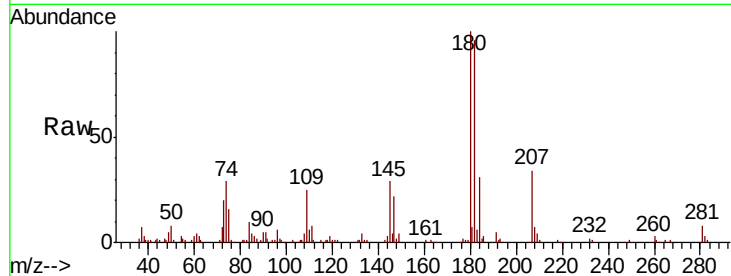
#93
 1,2,4-Trichlorobenzene
 Concen: 15.546 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.2	141.6
145	31.0	14.9	44.5

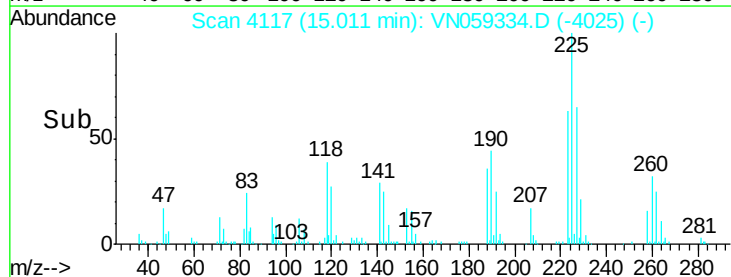
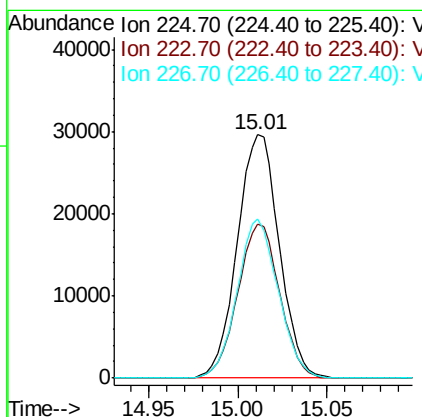
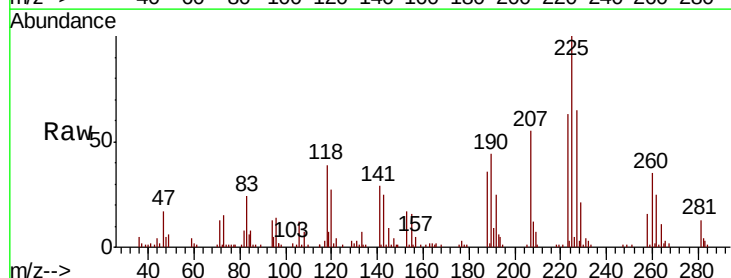
Manual Integrations
 APPROVED

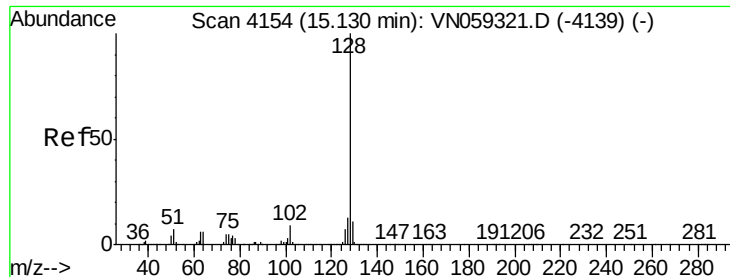
MMDadoda
 11/22/2019 3:12:10 PM



#94
 Hexachlorobutadiene
 Concen: 16.061 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059334.D
 Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.8
227	63.8	32.6	97.7





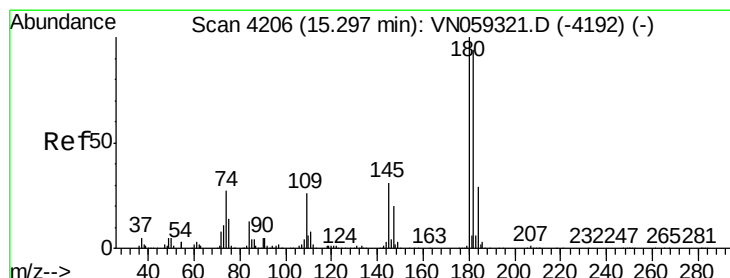
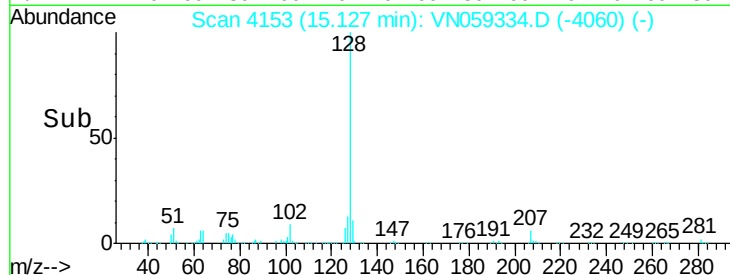
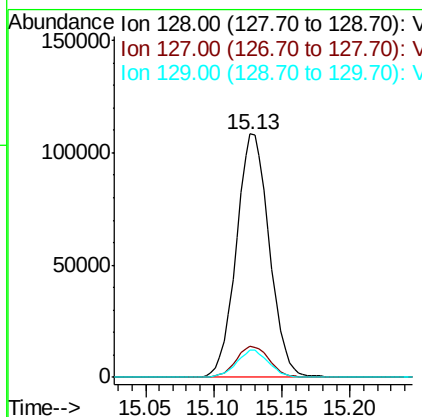
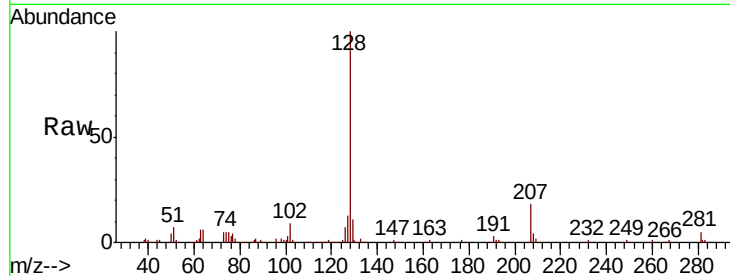
#95
Naphthalene
Concen: 14.900 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	181820		
127	13.0	10.2	15.2	
129	11.0	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:12:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 15.377 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059334.D
Acq: 21 Nov 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72079		
182	96.1	47.1	141.4	
145	33.5	15.6	46.8	

