

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059054.D
 Acq On : 1 Nov 2019 11:31
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 1:58:49 PM

Quant Time: Nov 02 04:48:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	582479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	918800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	841395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406596	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	377944	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
35) Dibromofluoromethane	7.57	113	290863	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.08	98	1153727	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.40	95	416501	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	248042	35.205	ug/l	99
3) Chloromethane	2.04	50	330558	37.359	ug/l	100
4) Vinyl Chloride	2.17	62	323317	36.953	ug/l	99
5) Bromomethane	2.54	94	178213	33.104	ug/l	99
6) Chloroethane	2.68	64	187626	33.756	ug/l	100
7) Trichlorofluoromethane	2.99	101	388488	36.135	ug/l	98
8) Diethyl Ether	3.39	74	147481	38.575	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	224724	37.038	ug/l	99
10) Methyl Iodide	3.92	142	276766	35.367	ug/l	97
11) Tert butyl alcohol	4.75	59	276226	195.192	ug/l	99
12) 1,1-Dichloroethene	3.71	96	218897	38.375	ug/l	96
13) Acrolein	3.58	56	164912	172.756	ug/l	98
14) Allyl chloride	4.29	41	446862	38.797	ug/l	98
15) Acrylonitrile	4.95	53	707741	200.194	ug/l	100
16) Acetone	3.79	43	766432	185.702	ug/l	98
17) Carbon Disulfide	4.03	76	694466	37.967	ug/l	100
18) Methyl Acetate	4.29	43	355225	37.178	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	771645	38.879	ug/l	100
20) Methylene Chloride	4.52	84	255152	35.717	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	241000	38.441	ug/l	99
22) Diisopropyl ether	5.92	45	877982	39.180	ug/l	99
23) Vinyl Acetate	5.87	43	3719800	207.672	ug/l	100
24) 1,1-Dichloroethane	5.82	63	476219	36.647	ug/l	99
25) 2-Butanone	6.81	43	1035353	192.029	ug/l	100
26) 2,2-Dichloropropane	6.80	77	411132	36.714	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	274706	38.431	ug/l	99
28) Bromochloromethane	7.17	49	163500	38.355	ug/l	98
29) Tetrahydrofuran	7.19	42	661549	200.088	ug/l	100
30) Chloroform	7.35	83	459305	35.472	ug/l	100
31) Cyclohexane	7.63	56	456208	37.752	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	395367	36.312	ug/l	99
36) 1,1-Dichloropropene	7.77	75	360644	38.981	ug/l	100
37) Ethyl Acetate	6.90	43	400087	39.613	ug/l	99
38) Carbon Tetrachloride	7.75	117	346925	36.454	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	426926	40.744	ug/l	98
40) Benzene	8.02	78	1066494	39.092	ug/l	100
41) Methacrylonitrile	7.15	41	168409m	36.799	ug/l	
42) 1,2-Dichloroethane	8.10	62	372415	35.982	ug/l	98
43) Isopropyl Acetate	8.14	43	629576	38.791	ug/l	99
44) Trichloroethene	8.82	130	257887	38.716	ug/l	99
45) 1,2-Dichloropropane	9.10	63	289141	38.675	ug/l	100
46) Dibromomethane	9.19	93	178152	37.843	ug/l	99
47) Bromodichloromethane	9.39	83	363774	37.582	ug/l	99
48) Methyl methacrylate	9.18	41	291823	39.885	ug/l	99
49) 1,4-Dioxane	9.18	88	102281	831.215	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1970433	208.856	ug/l	99
52) Toluene	10.15	92	651006	40.320	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	419831	39.070	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	456624	39.673	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	249672	37.481	ug/l	98
56) Ethyl methacrylate	10.42	69	410426	41.732	ug/l	99
57) 1,3-Dichloropropane	10.70	76	445148	38.230	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	581250	140.552	ug/l	100
59) 2-Hexanone	10.75	43	1503341	206.576	ug/l	100
60) Dibromochloromethane	10.90	129	280037	39.108	ug/l	99
61) 1,2-Dibromoethane	11.00	107	265708	39.059	ug/l	100
64) Tetrachloroethene	10.63	164	228119	39.148	ug/l	99
65) Chlorobenzene	11.43	112	672075	39.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	251805	39.413	ug/l	100
67) Ethyl Benzene	11.51	91	1247903	42.049	ug/l	99
68) m/p-Xylenes	11.62	106	929979	84.615	ug/l	100
69) o-Xylene	11.95	106	438888	41.757	ug/l	100
70) Styrene	11.96	104	736075	42.945	ug/l	99
71) Bromoform	12.13	173	200502	40.277	ug/l #	99
73) Isopropylbenzene	12.25	105	1185425	40.235	ug/l	100
74) N-amyl acetate	12.07	43	546576	41.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	390924	37.745	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	360990m	38.279	ug/l	
77) Bromobenzene	12.53	156	285270	39.225	ug/l	99
78) n-propylbenzene	12.59	91	1416325	40.717	ug/l	100
79) 2-Chlorotoluene	12.68	91	837211	39.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1017880	41.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	144154	39.900	ug/l	98
82) 4-Chlorotoluene	12.78	91	863760	39.759	ug/l	99
83) tert-Butylbenzene	13.00	119	844280	39.961	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1016998	41.822	ug/l	99
85) sec-Butylbenzene	13.17	105	1149381	40.896	ug/l	100
86) p-Isopropyltoluene	13.29	119	1047570	42.178	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	514314	39.661	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	516102	39.778	ug/l	99
89) n-Butylbenzene	13.62	91	945011	41.672	ug/l	99
90) Hexachloroethane	13.88	117	191558	37.999	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	503448	39.573	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84849	36.641	ug/l	98

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QLast Update : Sat Nov 02 05:16:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	300131	42.980	ug/l	99
94) Hexachlorobutadiene	15.01	225	164183	39.614	ug/l	99
95) Naphthalene	15.13	128	848675	43.876	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	299352	43.560	ug/l	100

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

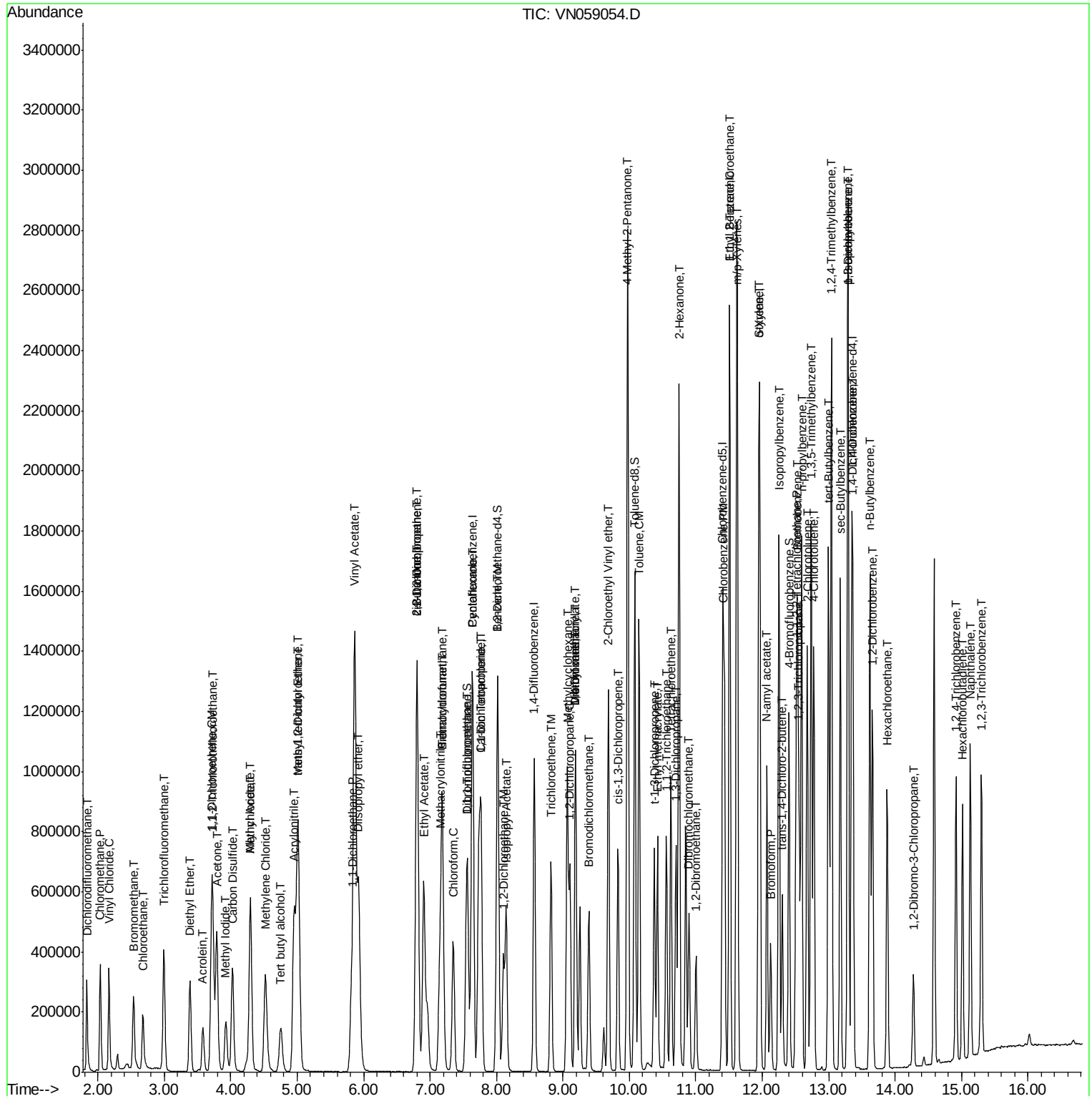
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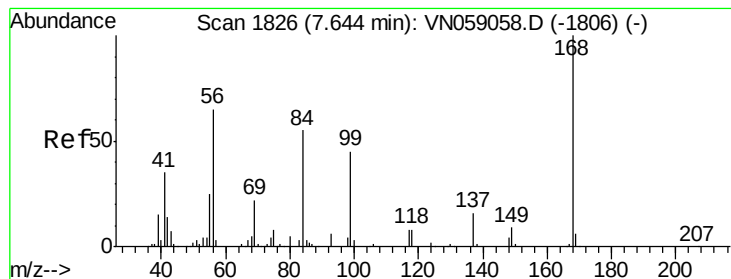
Instrument :
MSVOA_N
Client Sample Id :
VSTDICCC050

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APPROVED

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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: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tgt Ion: 168 Resp: 582479

Ion Ratio Lower Upper

168 100

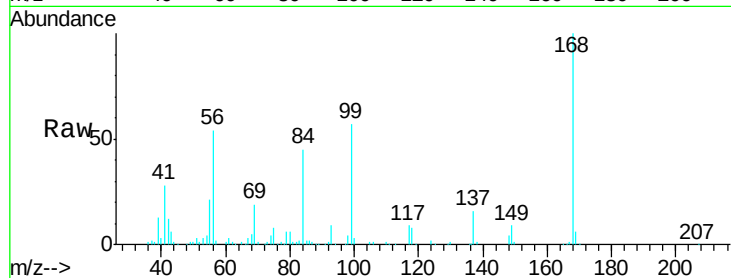
99 56.4 44.1 66.1

Manual Integrations

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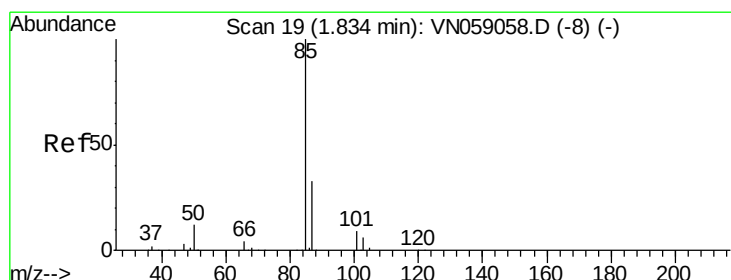
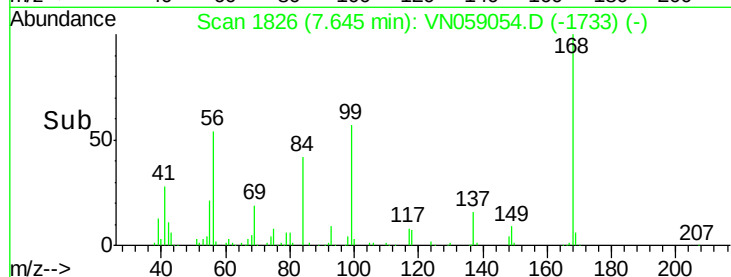
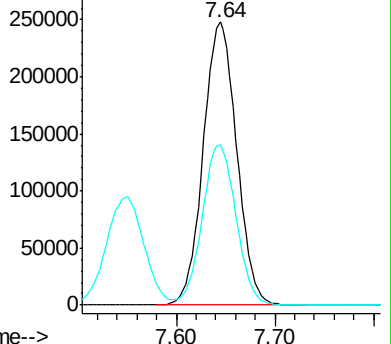
MMDadoda

11/5/2019 1:58:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 35.205 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059054.D

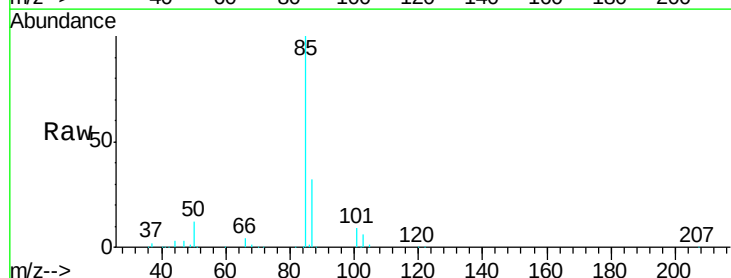
Acq: 1 Nov 2019 11:31

Tgt Ion: 85 Resp: 248042

Ion Ratio Lower Upper

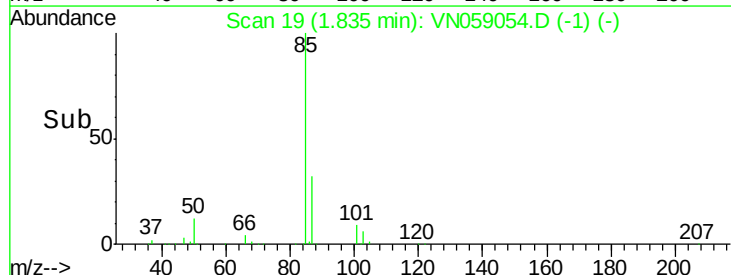
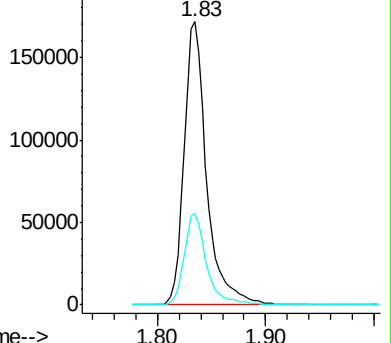
85 100

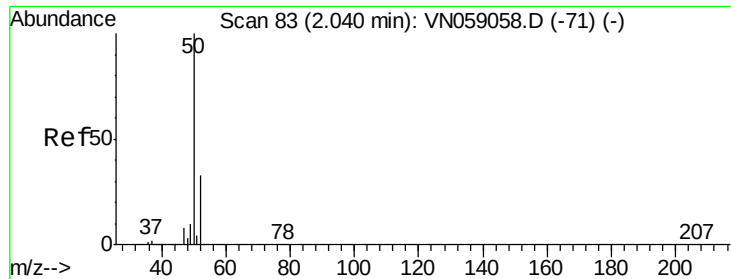
87 32.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 37.359 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 330558

Ion Ratio Lower Upper

50 100

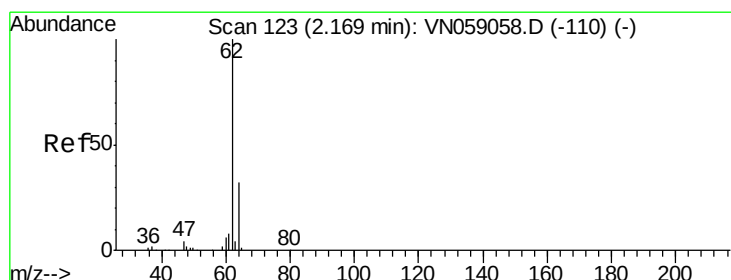
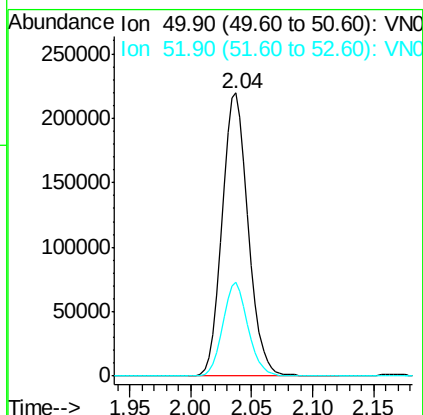
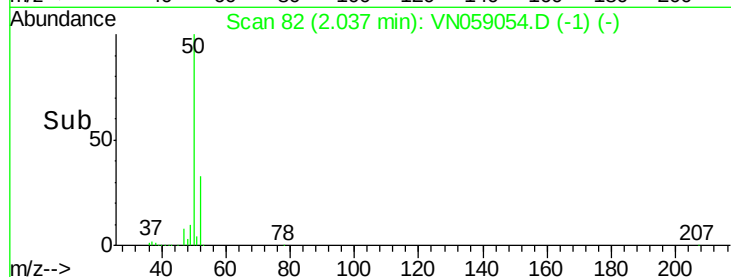
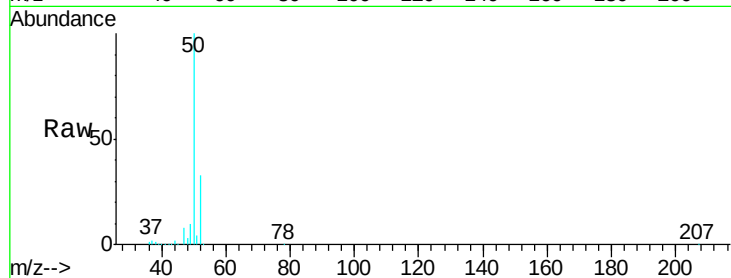
52 33.0 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 36.953 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059054.D

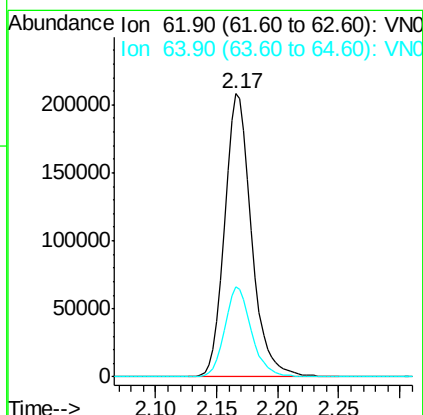
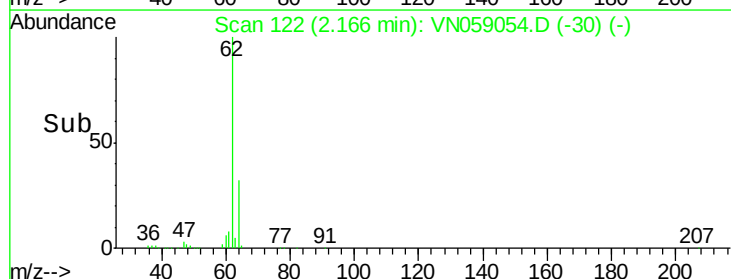
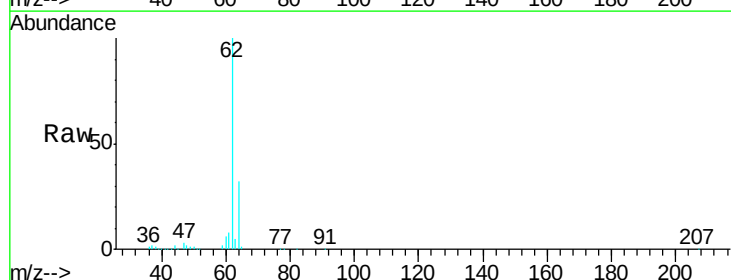
Acq: 1 Nov 2019 11:31

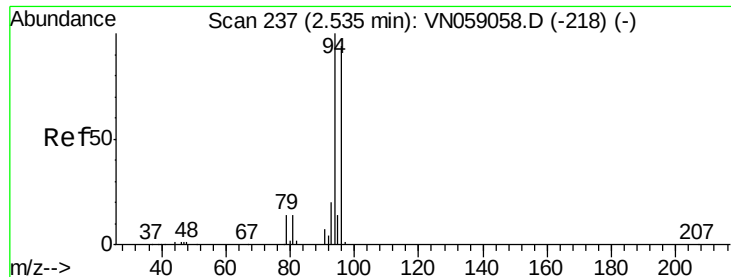
Tgt Ion: 62 Resp: 323317

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 33.104 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

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ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 178213

Ion Ratio Lower Upper

94 100

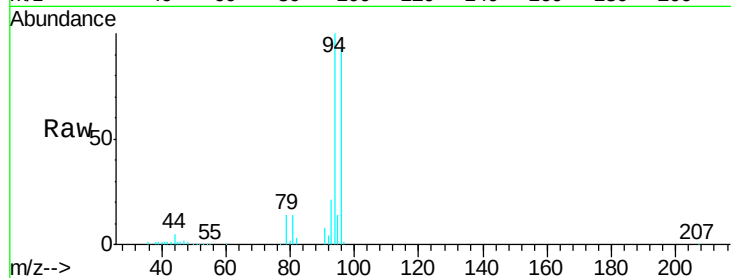
96 93.3 75.1 112.7

Manual Integrations

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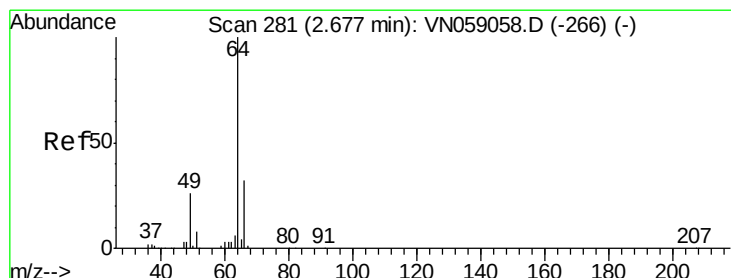
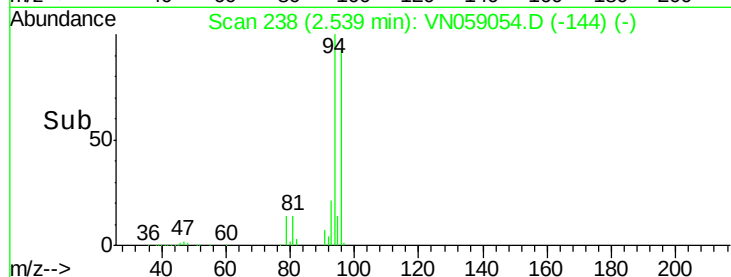
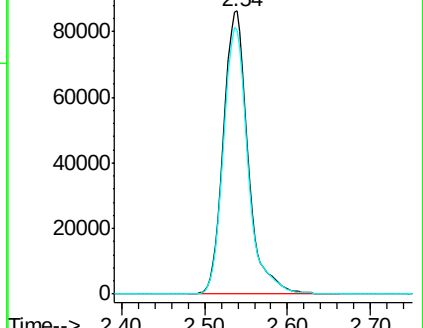
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Abundance Ion 93.90 (93.60 to 94.60): VN059058.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059058.D (-218) (-)



#6

Chloroethane

Concen: 33.756 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN059054.D

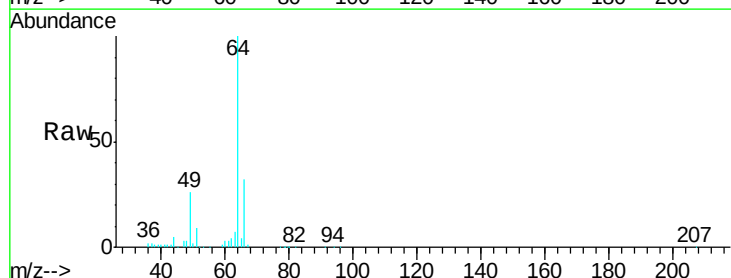
Acq: 1 Nov 2019 11:31

Tgt Ion: 64 Resp: 187626

Ion Ratio Lower Upper

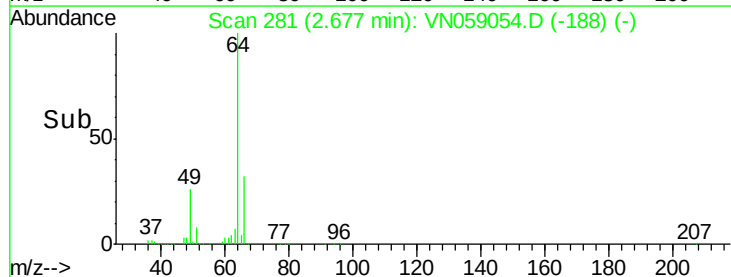
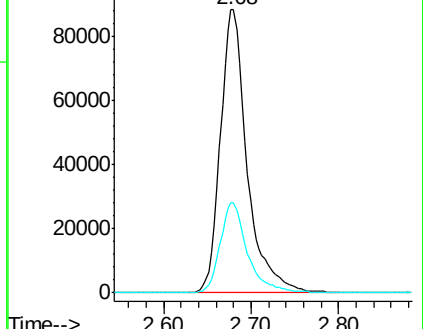
64 100

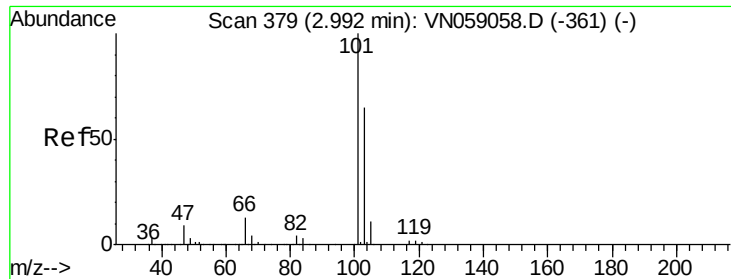
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN059058.D (-266) (-)

Ion 65.90 (65.60 to 66.60): VN059058.D (-266) (-)





#7

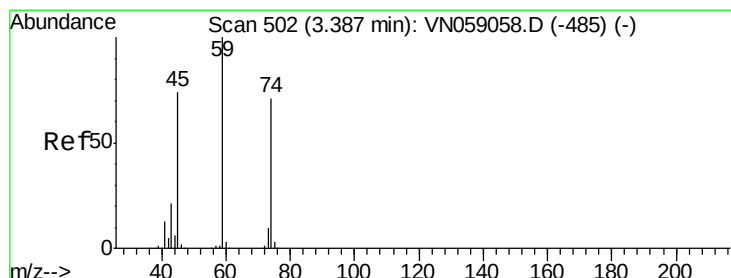
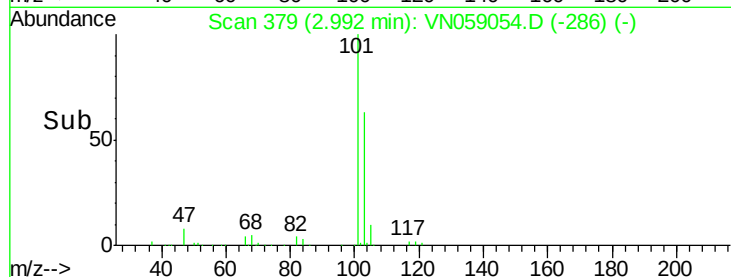
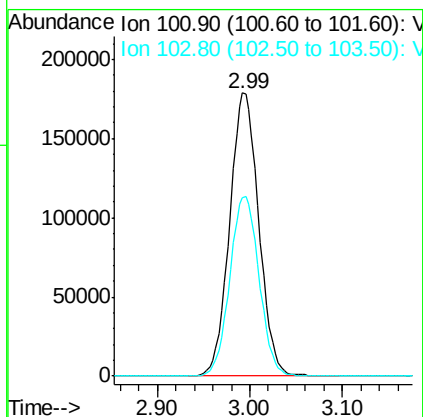
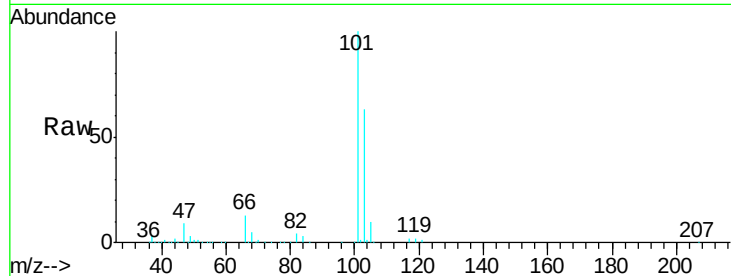
Trichlorofluoromethane
Concen: 36.135 ug/l
RT: 2.99 min Scan# 379
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
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ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.7	77.5

Manual Integrations
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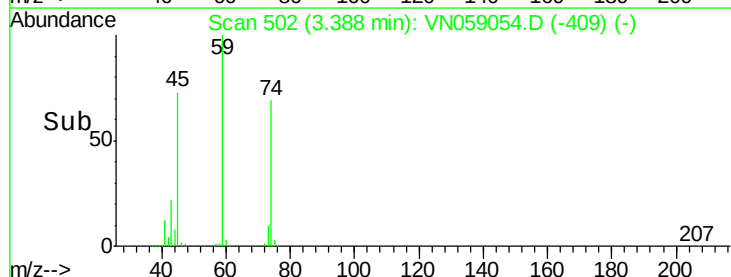
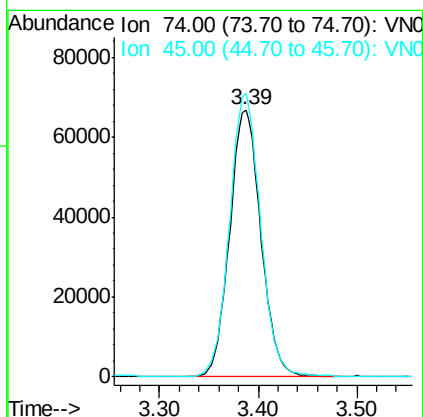
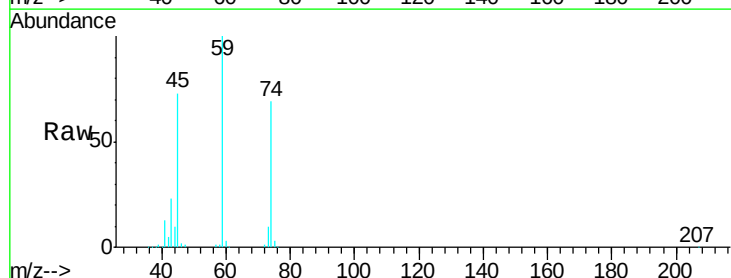
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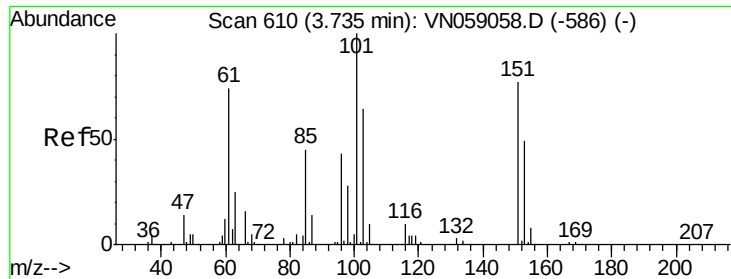


#8

Diethyl Ether
Concen: 38.575 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.8	158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 37.038 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

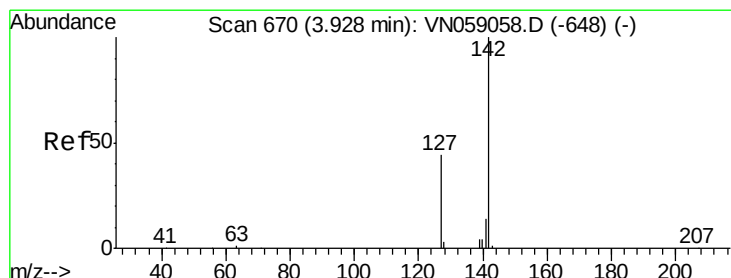
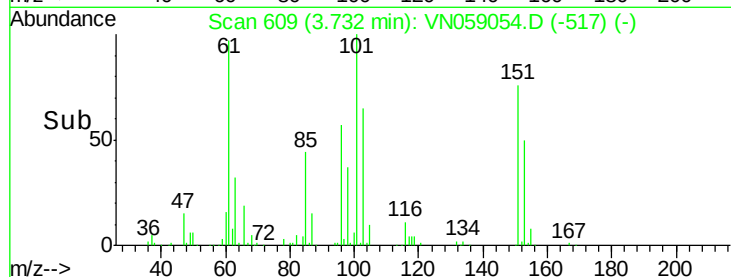
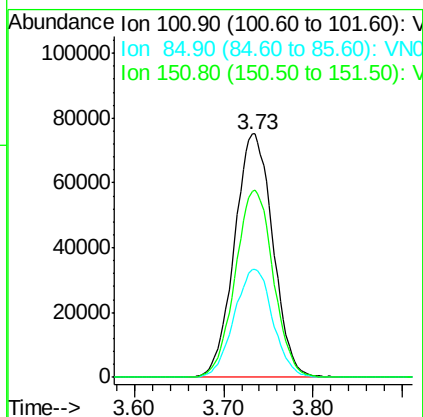
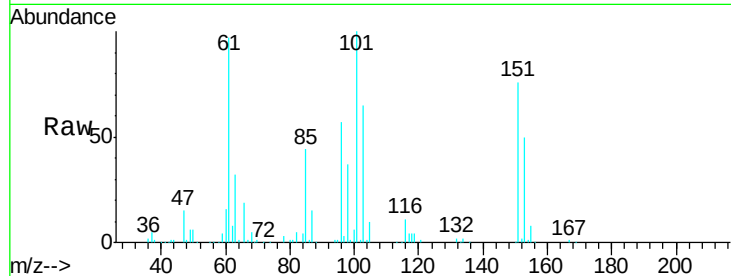
ClientSampleId :

VSTDICCC050

Tgt Ion:	101	Resp:	224724
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.0	52.6
151	76.3	61.3	91.9

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#10

Methyl Iodide

Concen: 35.367 ug/l

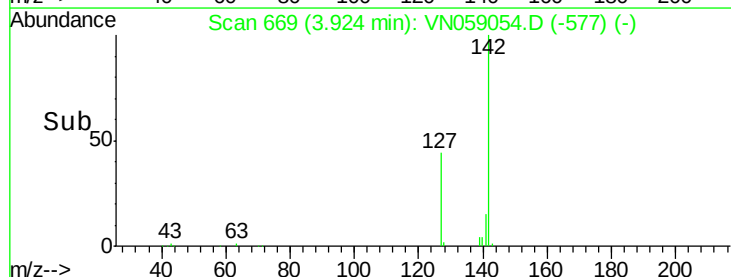
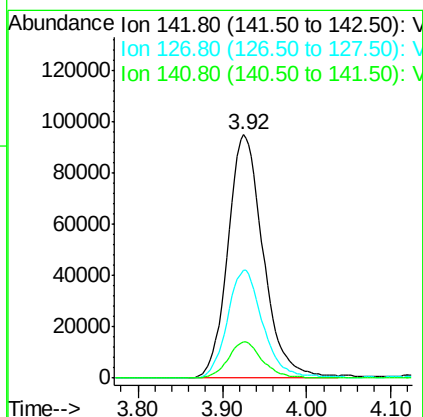
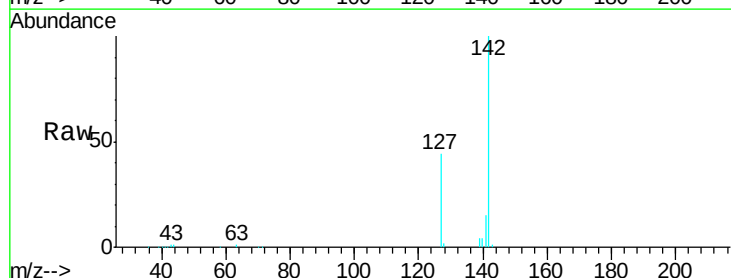
RT: 3.92 min Scan# 669

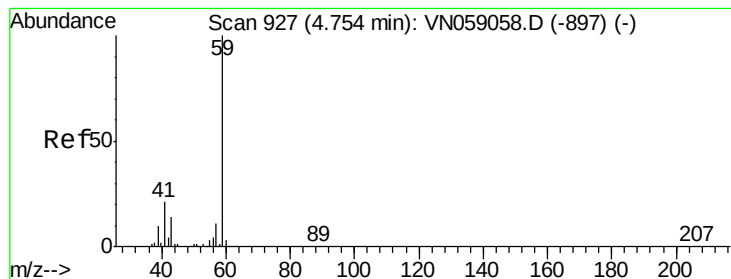
Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Tgt Ion:	142	Resp:	276766
Ion Ratio	Lower	Upper	
142	100		
127	44.5	34.2	51.2
141	14.5	11.1	16.7





#11

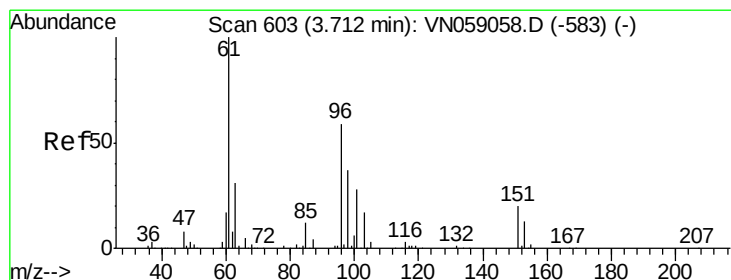
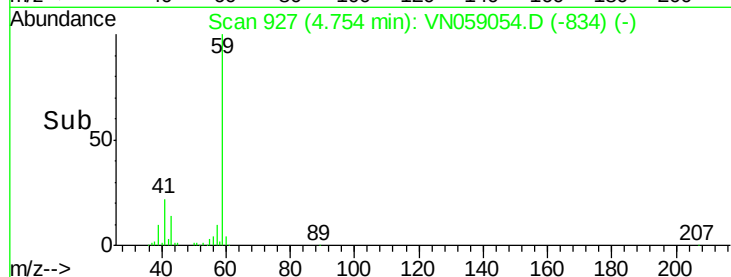
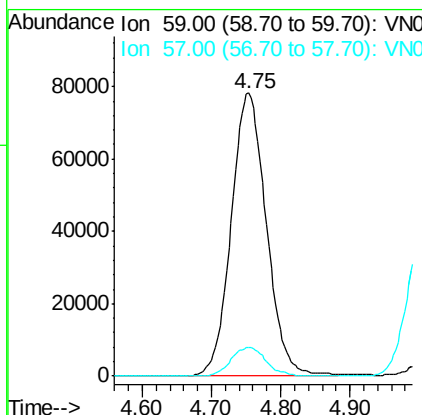
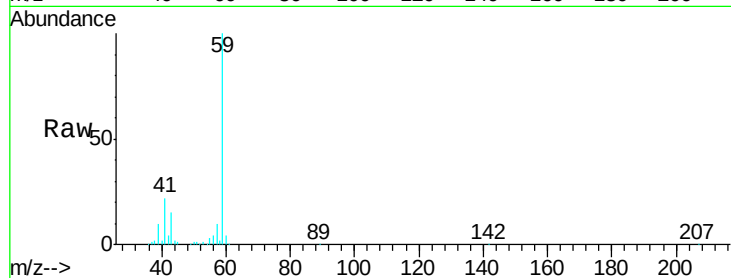
Tert butyl alcohol
Concen: 195.192 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	276226		
57	10.1		8.2	12.4

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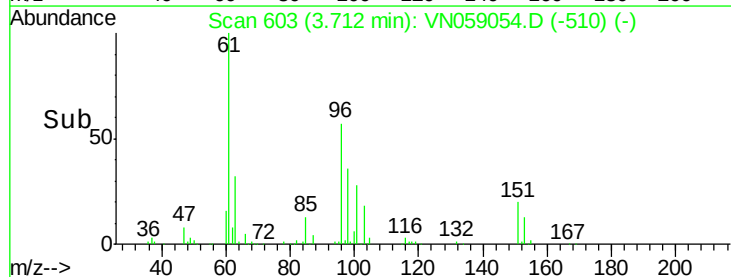
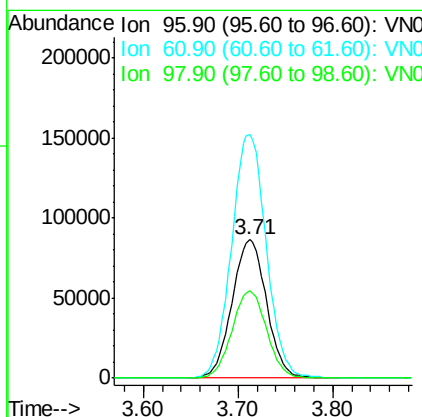
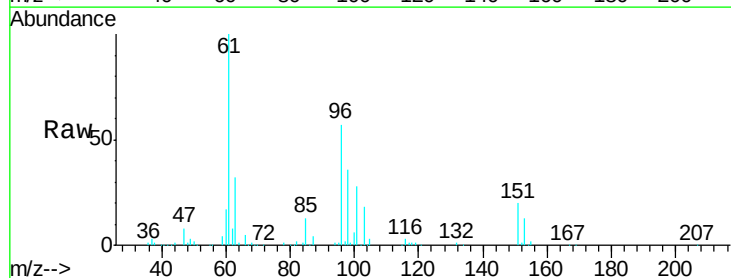
MMDadoda
11/5/2019 1:58:49 PM

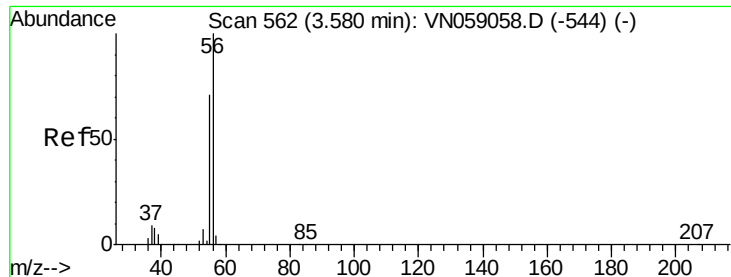


#12

1,1-Dichloroethene
Concen: 38.375 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	218897		
61	175.9		135.3	202.9
98	62.8		49.4	74.2





#13

Acrolein

Concen: 172.756 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 164912

Ion Ratio Lower Upper

56 100

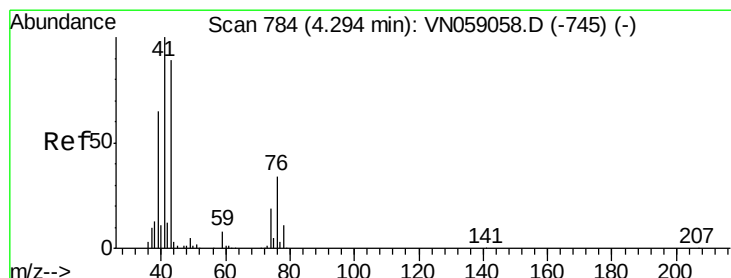
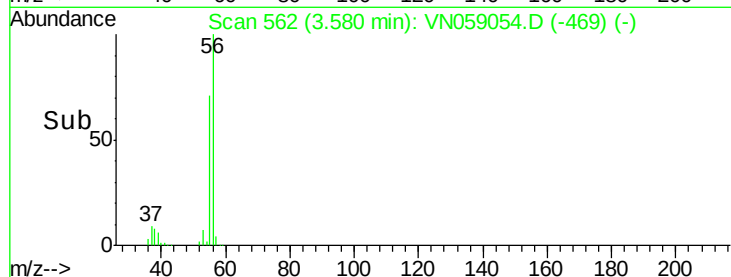
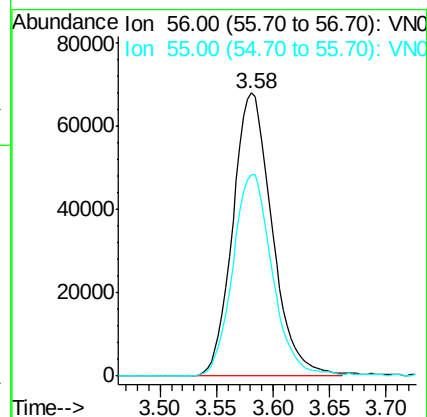
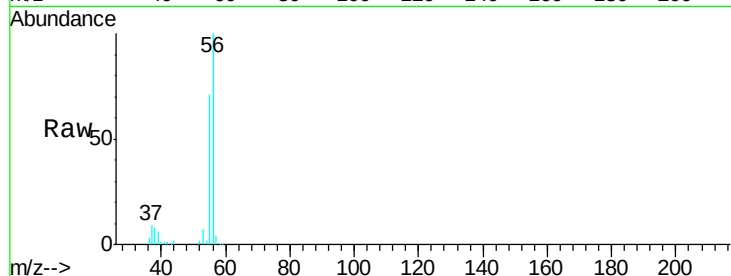
55 71.4 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 38.797 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

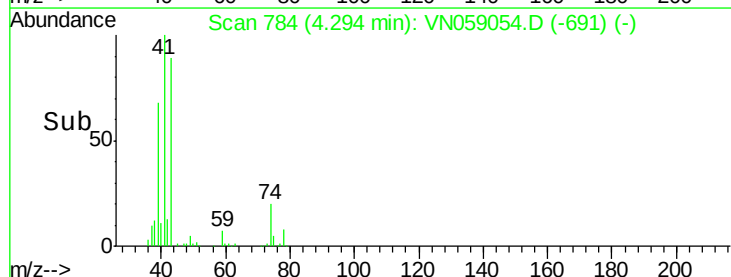
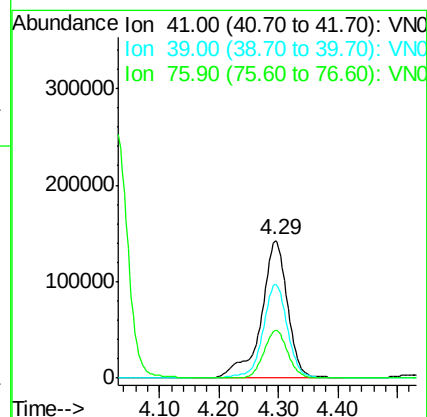
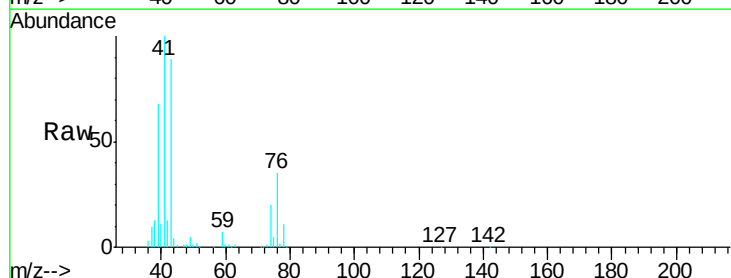
Tgt Ion: 41 Resp: 446862

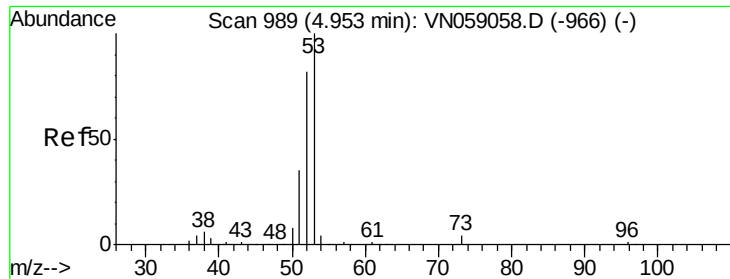
Ion Ratio Lower Upper

41 100

39 63.6 49.4 74.2

76 30.9 24.6 37.0





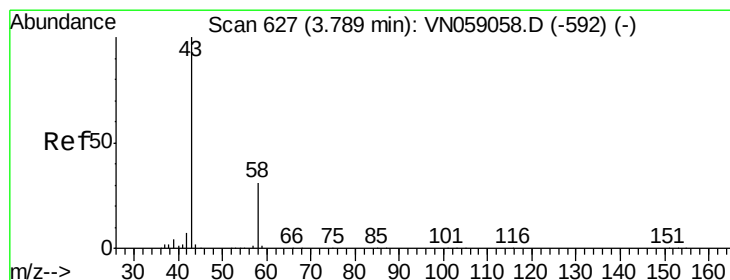
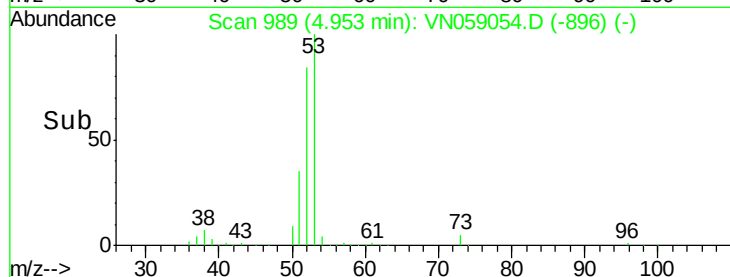
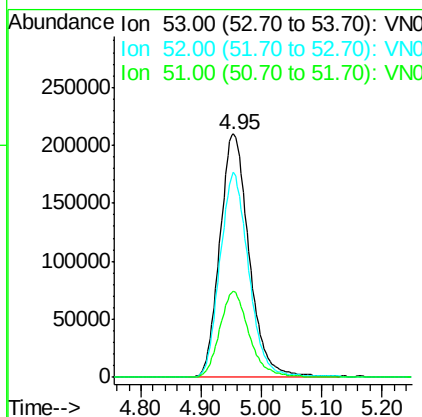
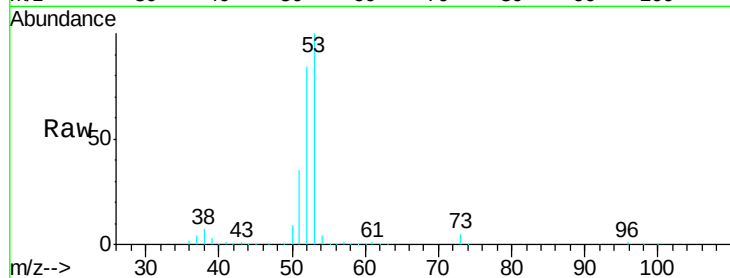
#15
 Acrylonitrile
 Concen: 200.194 ug/l
 RT: 4.95 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.0	99.0
51	35.5	28.3	42.5

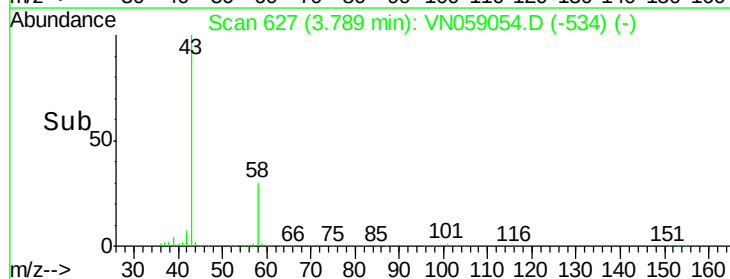
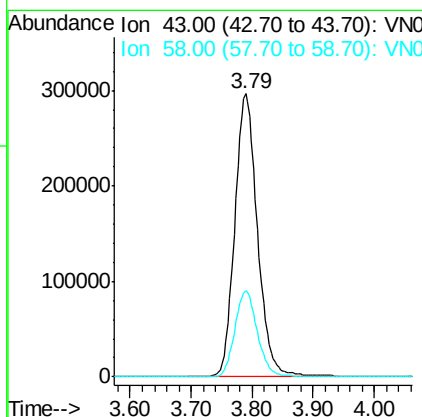
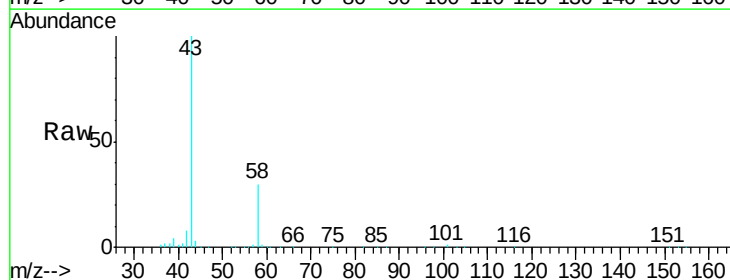
Manual Integrations
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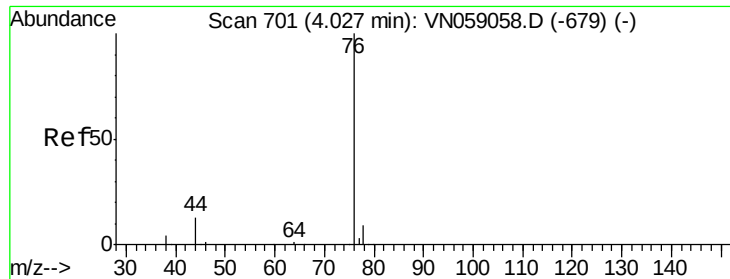
MMDadoda
 11/5/2019 1:58:49 PM



#16
 Acetone
 Concen: 185.702 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.4	25.0	37.6





#17

Carbon Disulfide

Concen: 37.967 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 694466

Ion Ratio Lower Upper

76 100

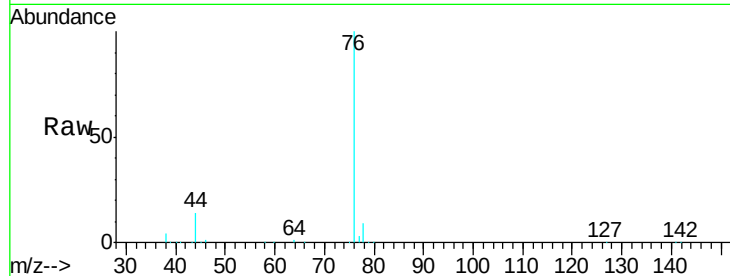
78 8.9 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN059058.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059058.D (-679) (-)

4.03

250000

200000

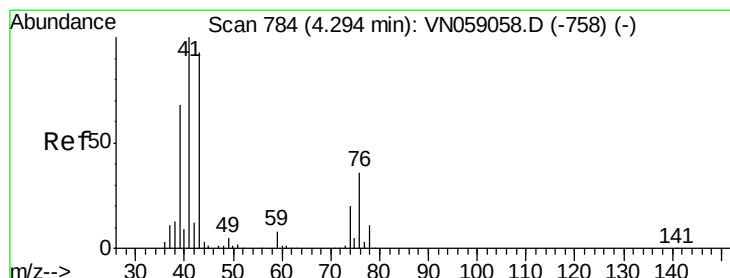
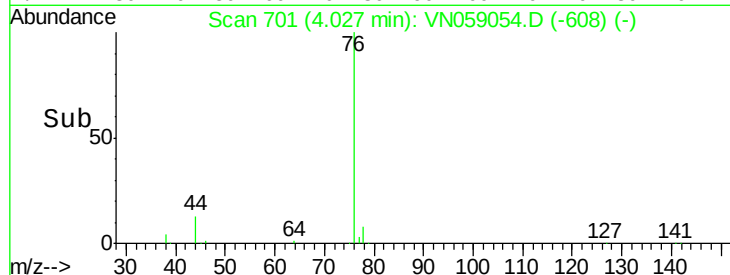
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 37.178 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059054.D

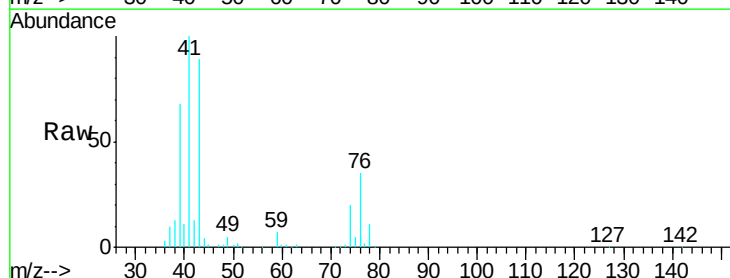
Acq: 1 Nov 2019 11:31

Tgt Ion: 43 Resp: 355225

Ion Ratio Lower Upper

43 100

74 21.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN059058.D (-758) (-)

4.29

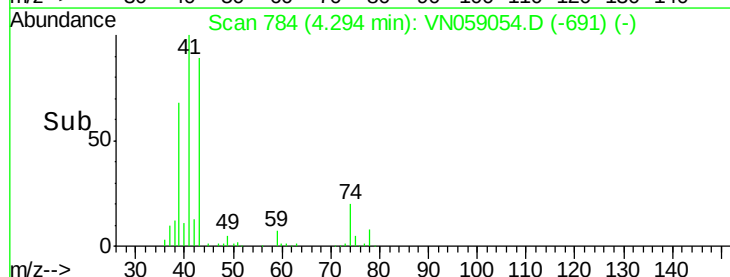
150000

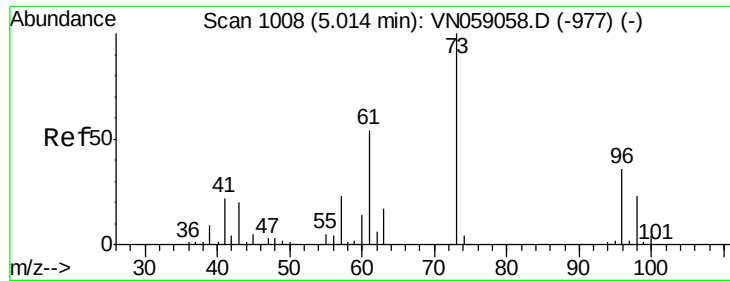
100000

50000

0

Time-->





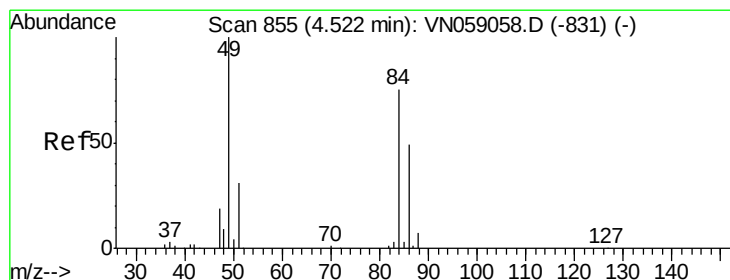
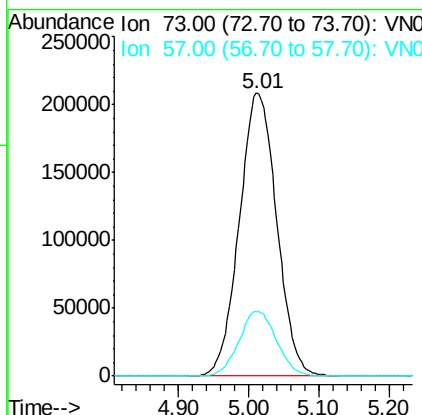
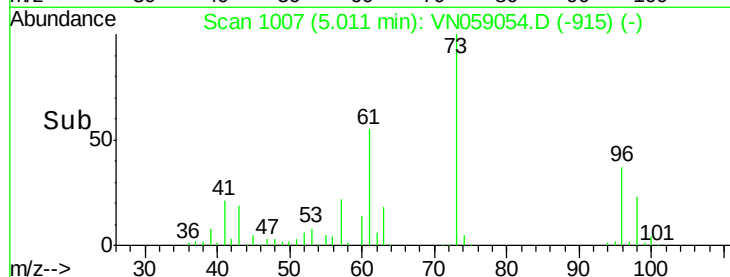
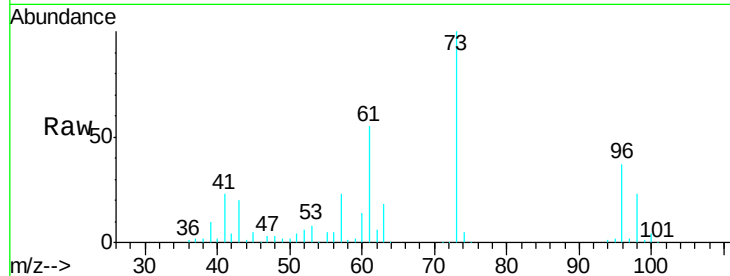
#19
Methyl tert-butyl Ether
Concen: 38.879 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 771645
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

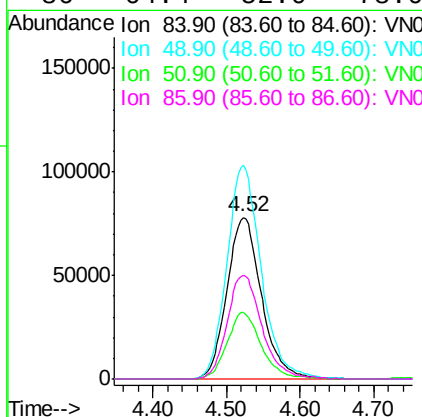
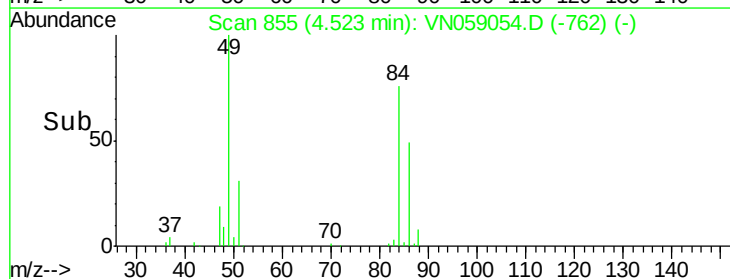
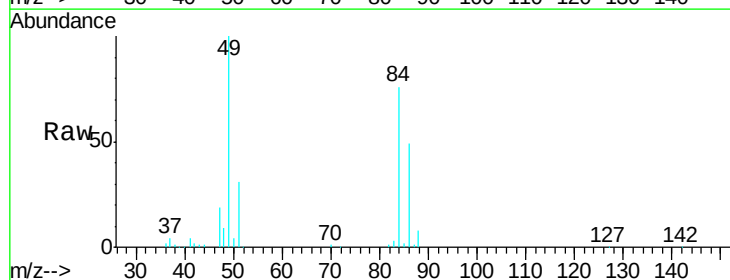
Manual Integrations
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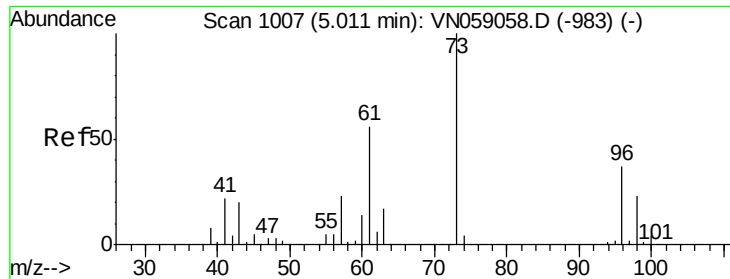
MMDadoda
11/5/2019 1:58:49 PM



#20
Methylene Chloride
Concen: 35.717 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion: 84 Resp: 255152
Ion Ratio Lower Upper
84 100
49 132.3 106.4 159.6
51 40.9 33.0 49.4
86 64.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 38.441 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 241000

Ion Ratio Lower Upper

96 100

61 151.5 121.7 182.5

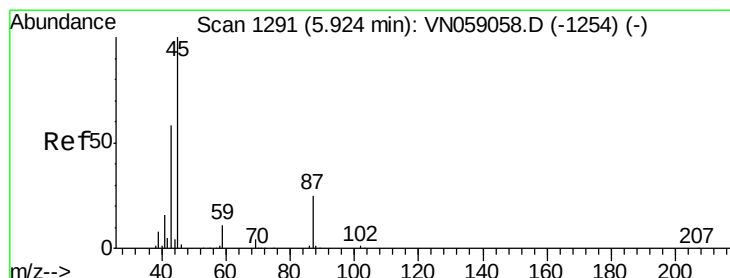
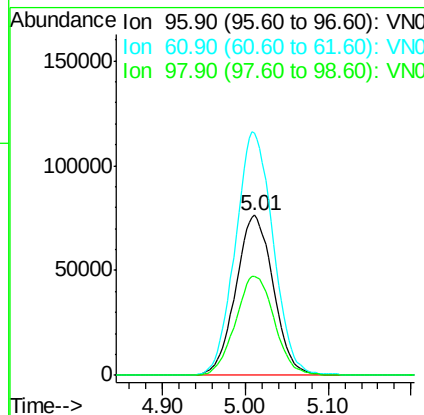
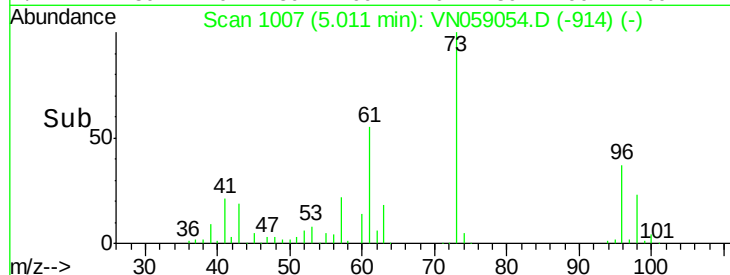
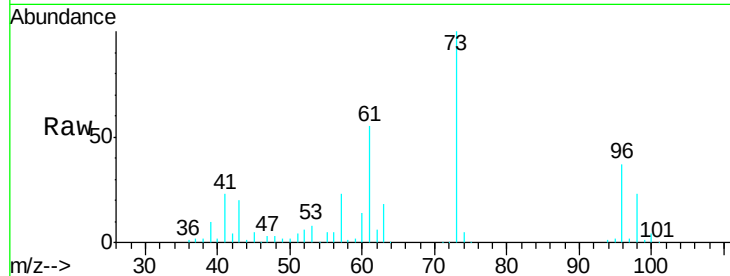
98 62.2 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 39.180 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Tgt Ion: 45 Resp: 877982

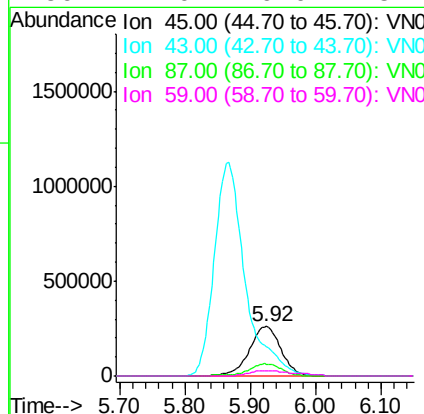
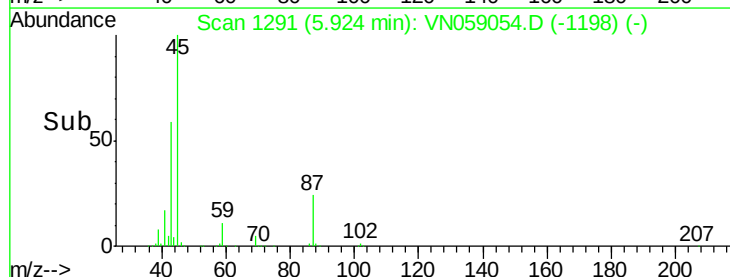
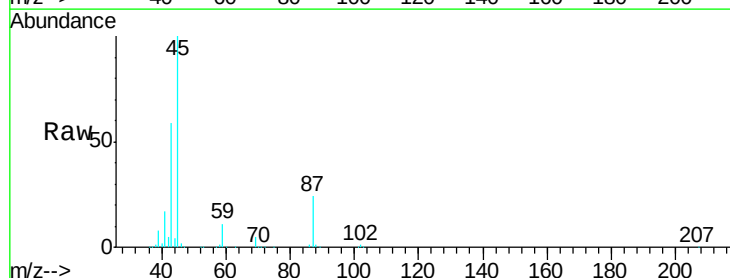
Ion Ratio Lower Upper

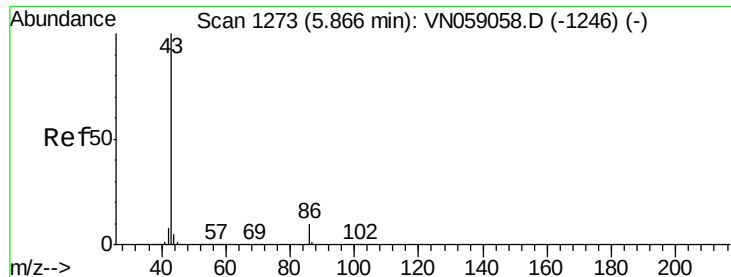
45 100

43 58.4 46.9 70.3

87 24.4 20.1 30.1

59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 207.672 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 3719800

Ion Ratio Lower Upper

43 100

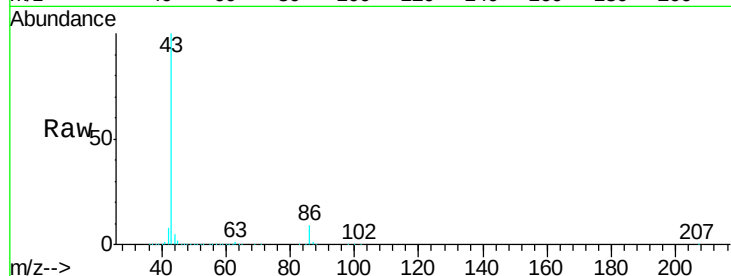
86 9.4 7.6 11.4

Manual Integrations

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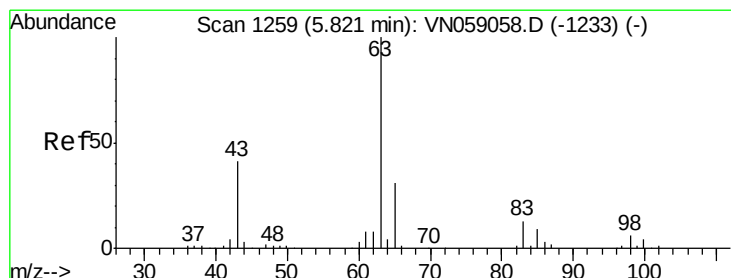
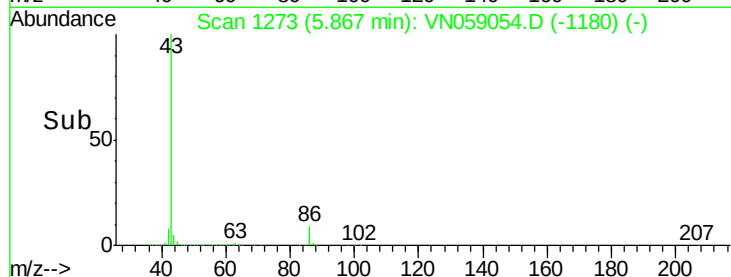
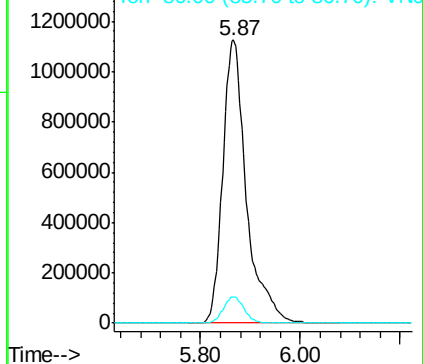
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 36.647 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

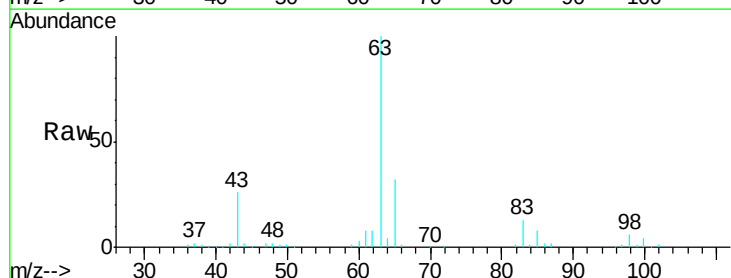
Tgt Ion: 63 Resp: 476219

Ion Ratio Lower Upper

63 100

98 6.0 3.2 9.6

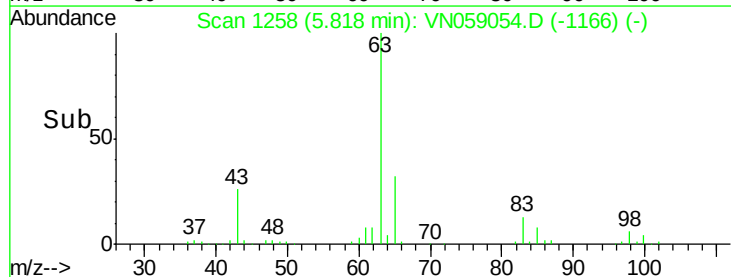
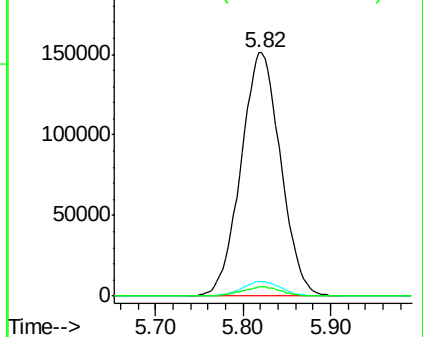
100 3.8 2.0 6.0

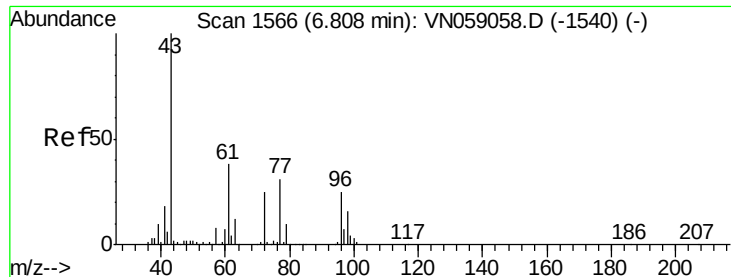


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 192.029 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1035353

Ion Ratio Lower Upper

43 100

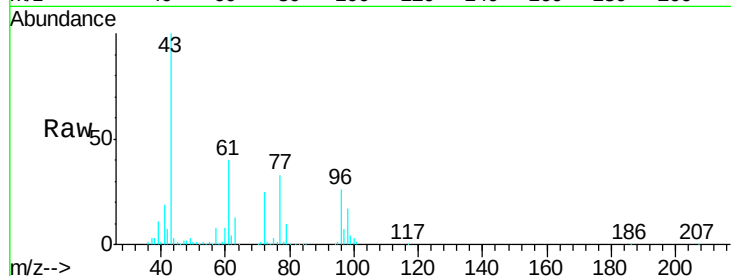
72 25.1 19.9 29.9

Manual Integrations

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11/5/2019 1:58:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN059058.D (-1540) (-)

6.81

400000

300000

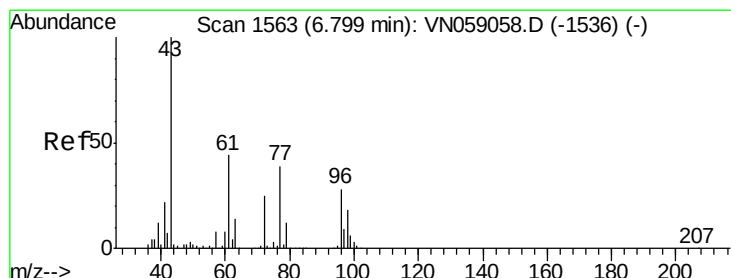
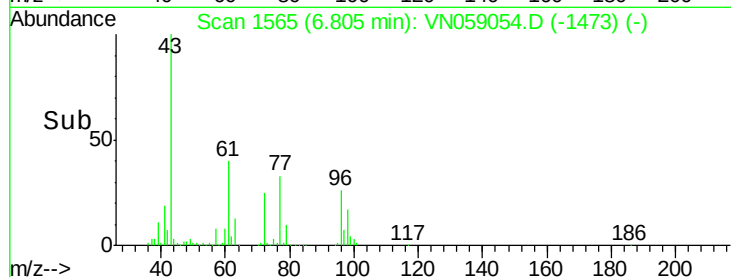
200000

100000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 36.714 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059054.D

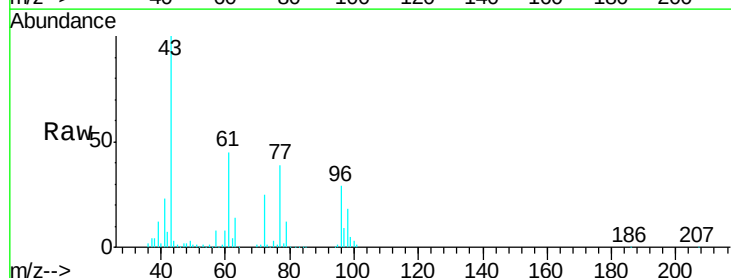
Acq: 1 Nov 2019 11:31

Tgt Ion: 77 Resp: 411132

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN059058.D (-1536) (-)

Ion 96.90 (96.60 to 97.60): VN059058.D (-1536) (-)

6.80

150000

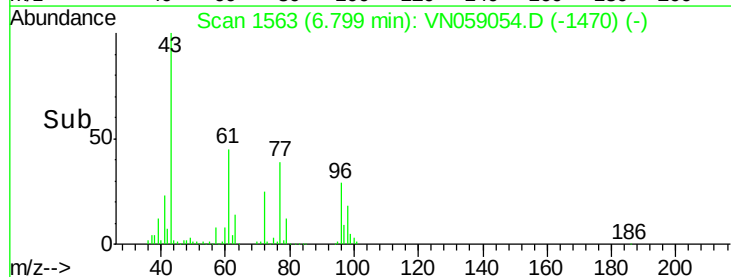
100000

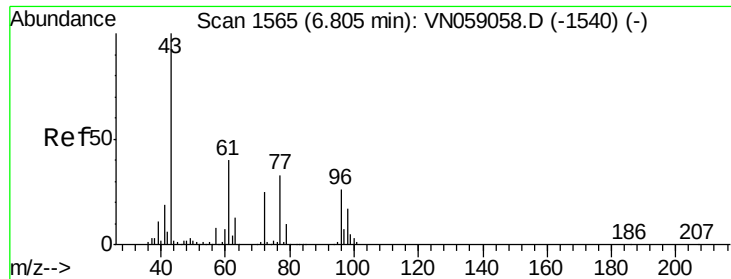
50000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 38.431 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

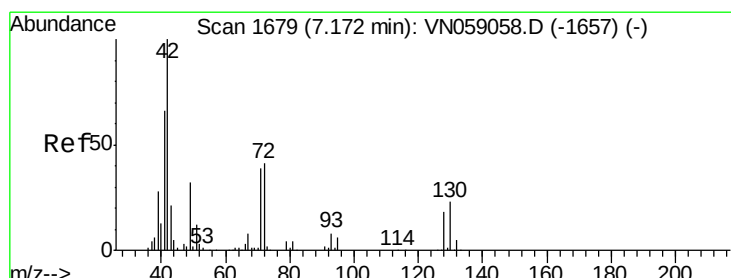
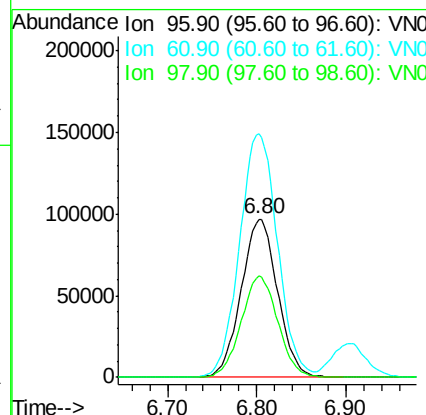
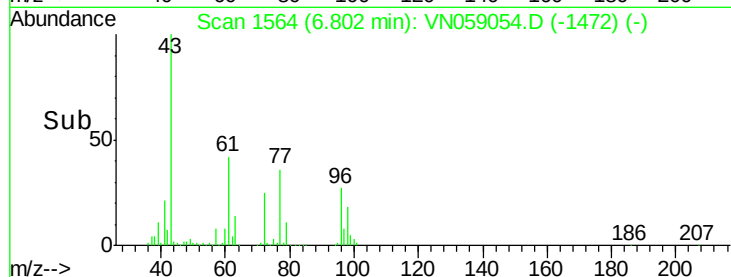
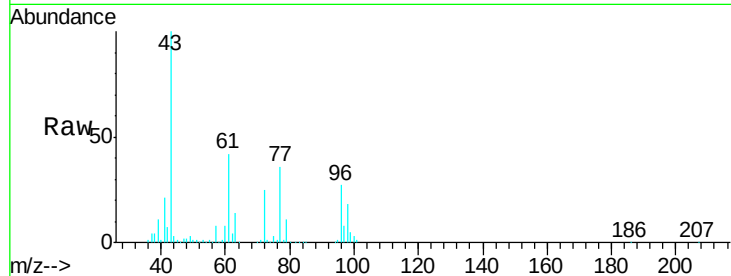
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	274706
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	316.4
98	64.6	0.0	128.2

Manual Integrations
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11/5/2019 1:58:49 PM



#28

Bromochloromethane

Concen: 38.355 ug/l

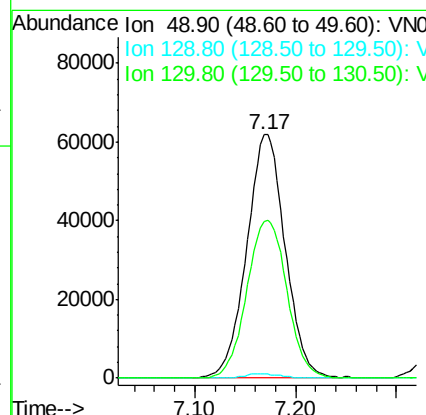
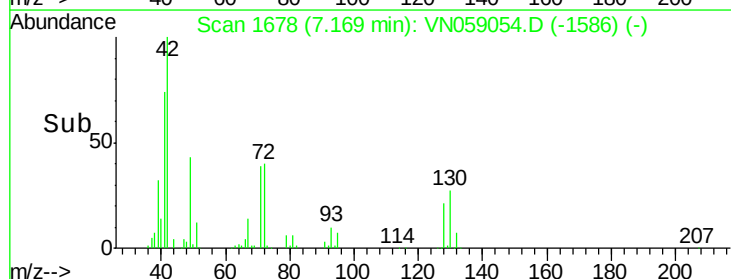
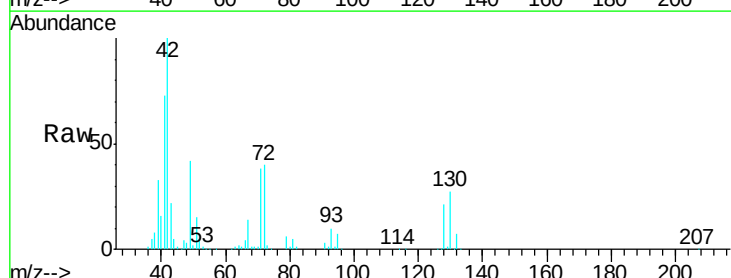
RT: 7.17 min Scan# 1678

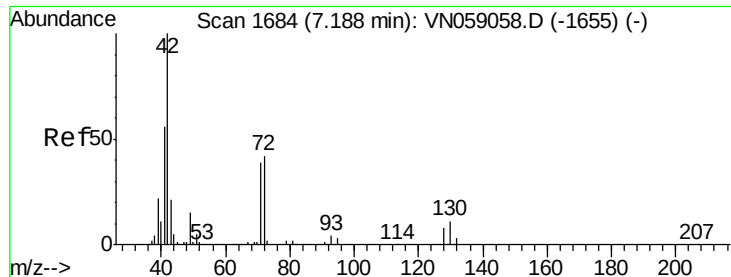
Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Tgt Ion:	49	Resp:	163500
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	67.5	55.0	82.6





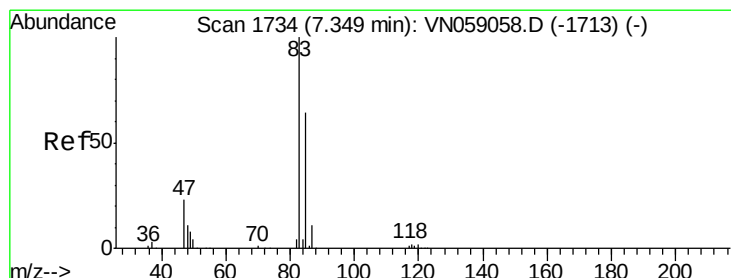
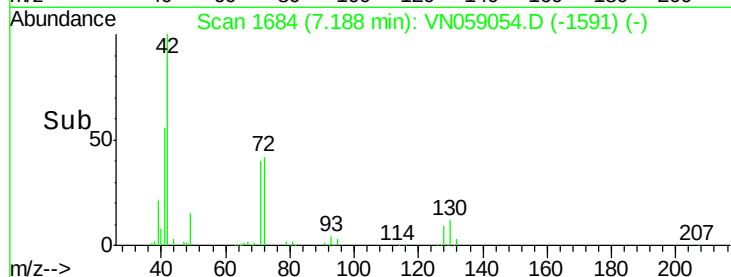
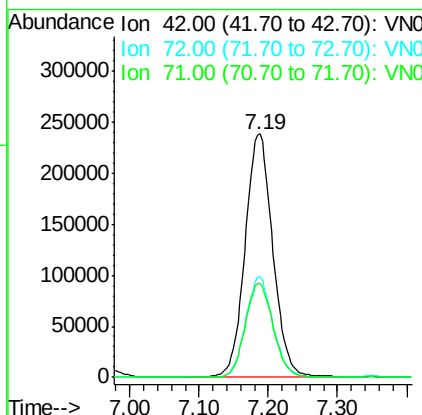
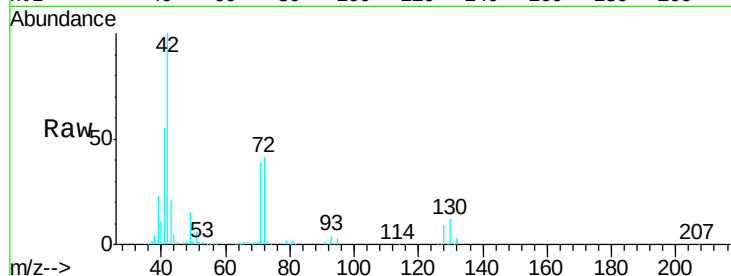
#29
Tetrahydrofuran
Concen: 200.088 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.7	49.1
71	38.7	31.2	46.8

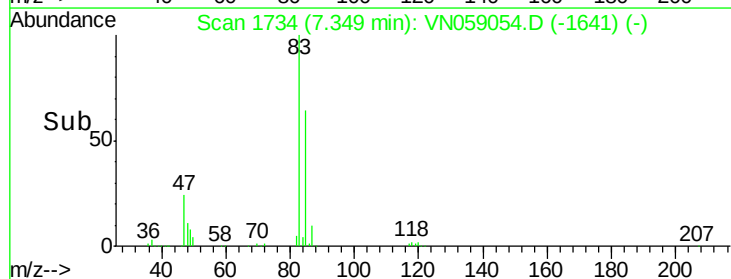
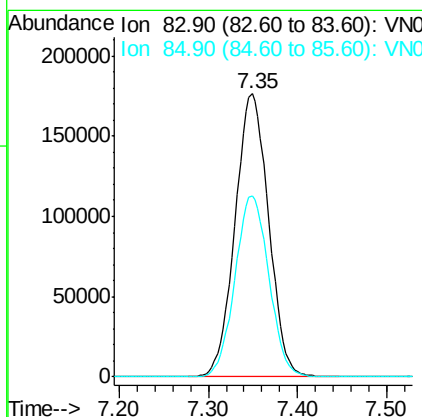
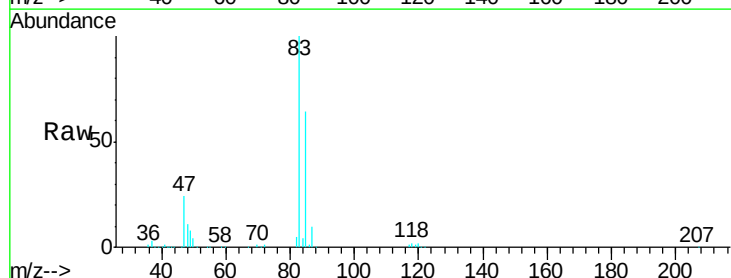
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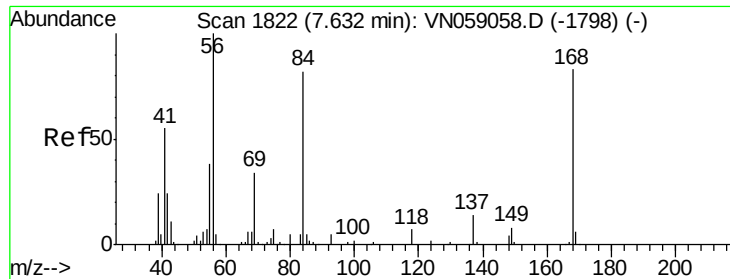
MMDadoda
11/5/2019 1:58:49 PM



#30
Chloroform
Concen: 35.472 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.9	76.3





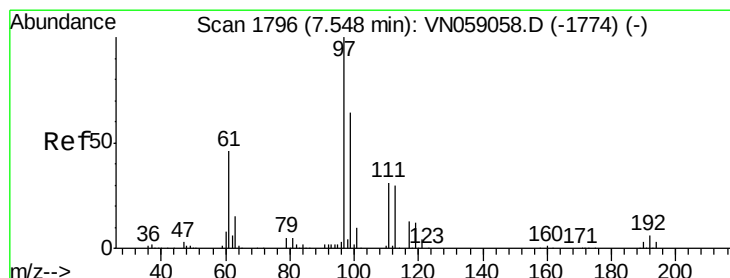
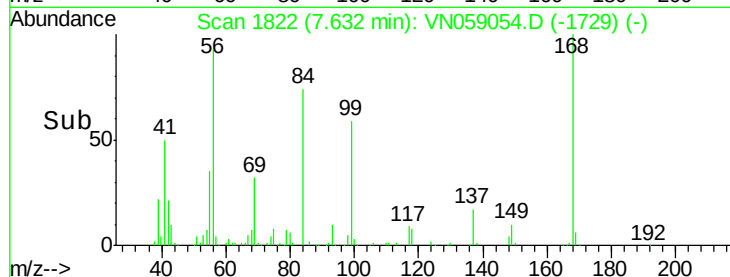
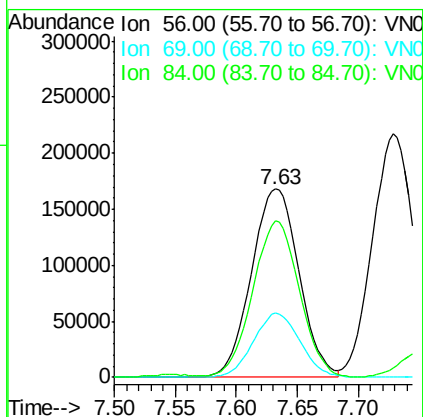
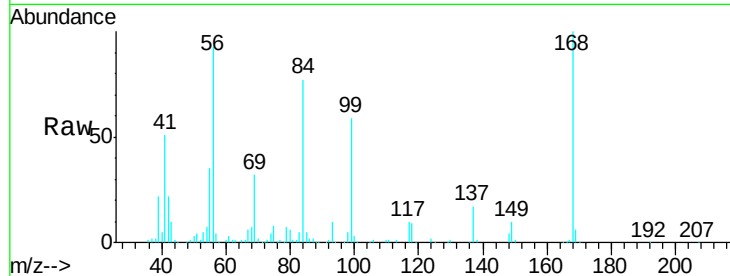
#31
Cyclohexane
Concen: 37.752 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.2	40.8
84	81.7	65.2	97.8

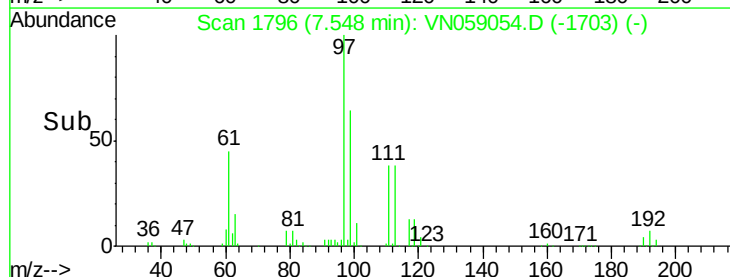
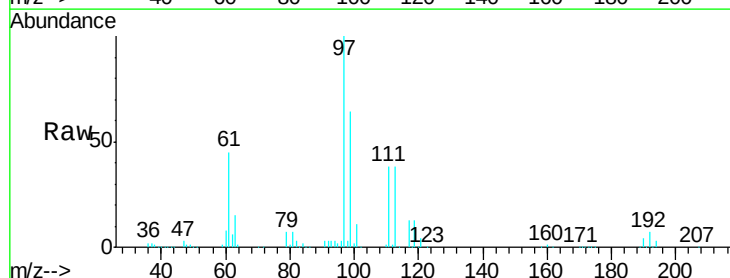
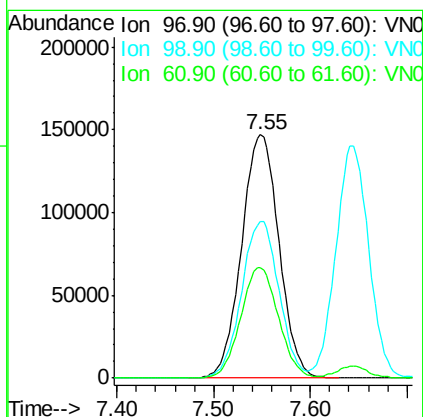
Manual Integrations
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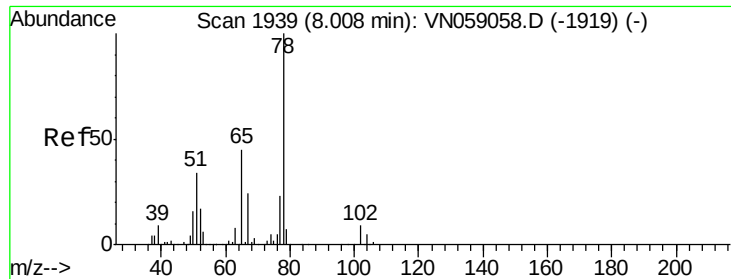
MMDadoda
11/5/2019 1:58:49 PM



#32
1,1,1-Trichloroethane
Concen: 36.312 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.7	76.1
61	45.9	36.3	54.5





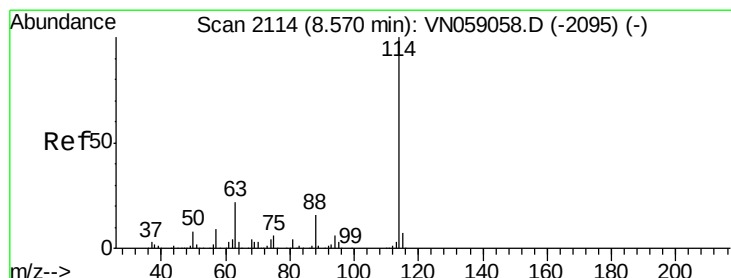
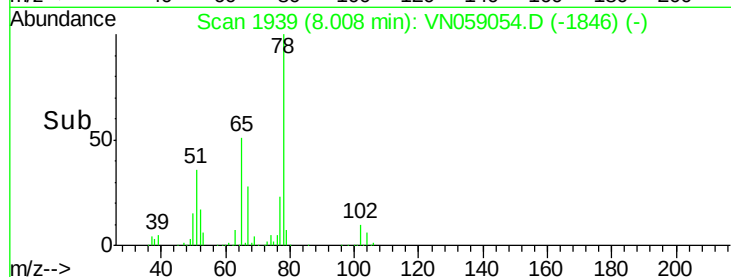
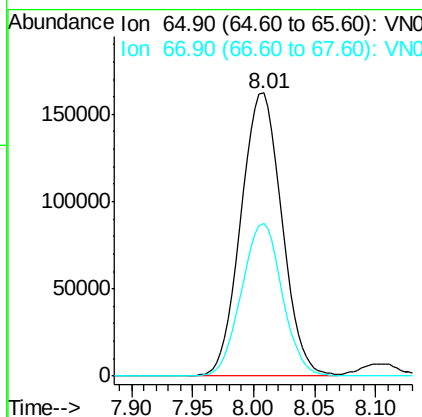
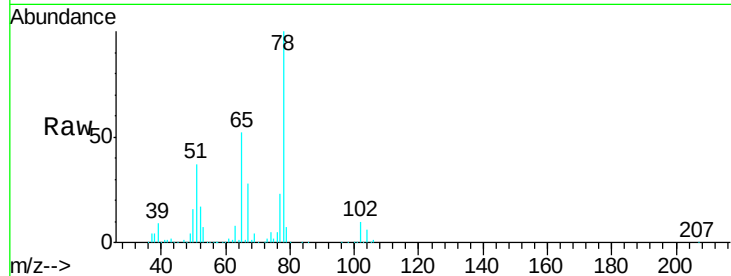
#33
 1,2-Dichloroethane-d4
 Concen: 45.142 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 65 Resp: 377944
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.6

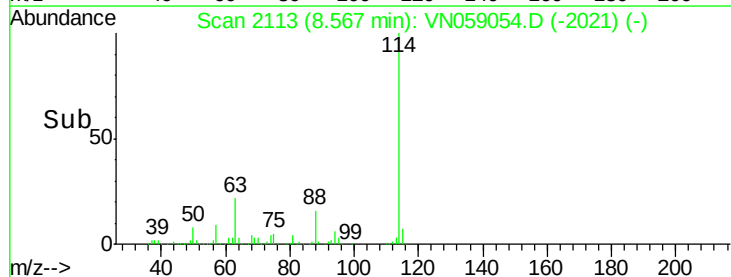
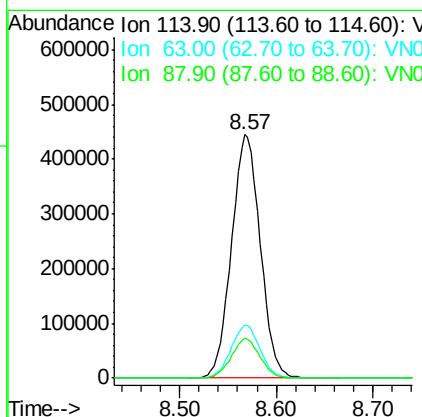
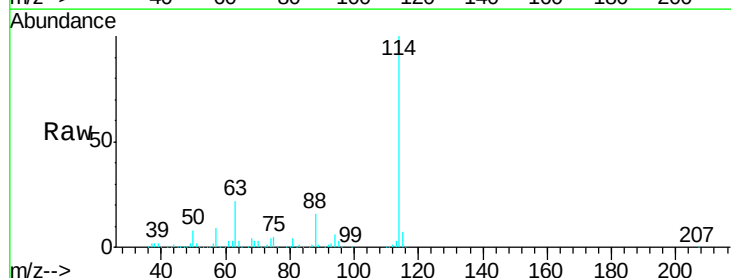
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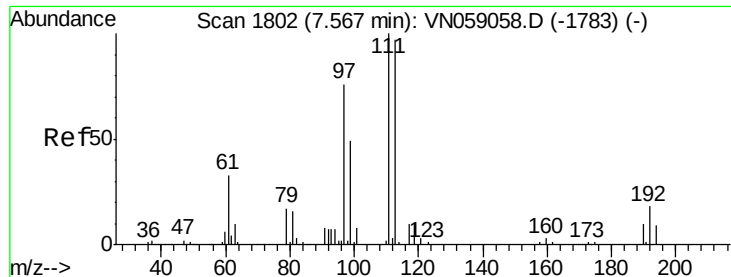
MMDadoda
 11/5/2019 1:58:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Tgt Ion: 114 Resp: 918800
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.5 0.0 33.0





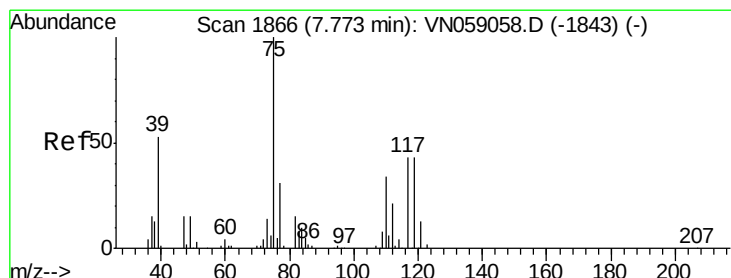
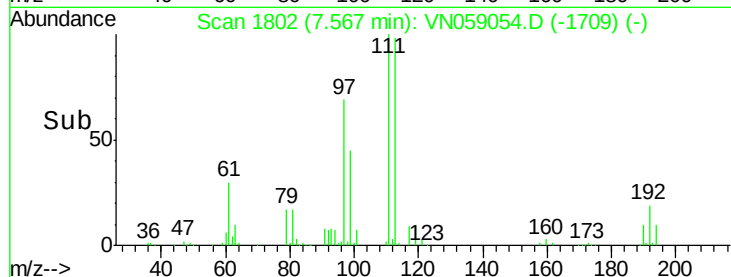
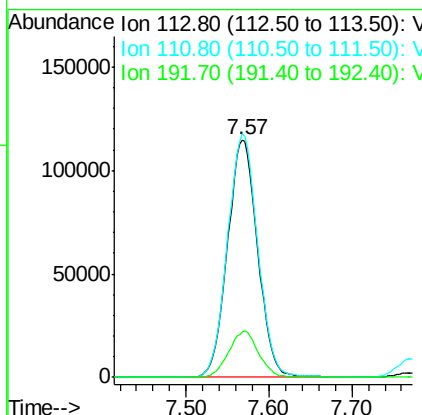
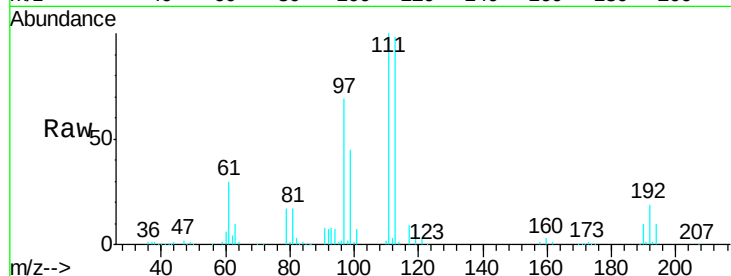
#35
Dibromofluoromethane
Concen: 48.328 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	290863		
111	102.8	82.9	124.3	
192	19.2	15.9	23.9	

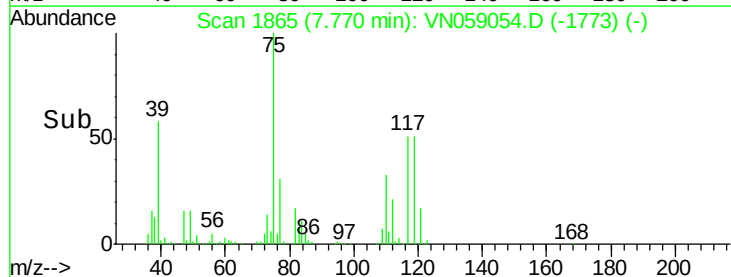
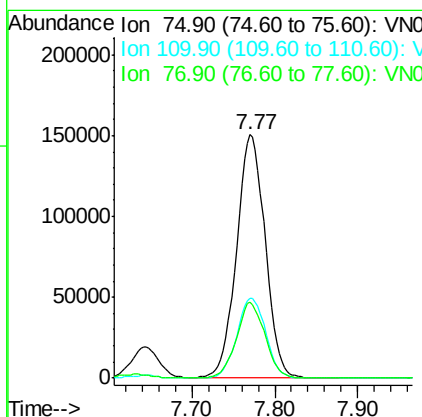
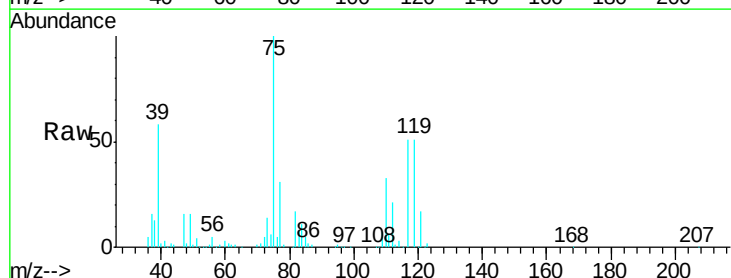
Manual Integrations
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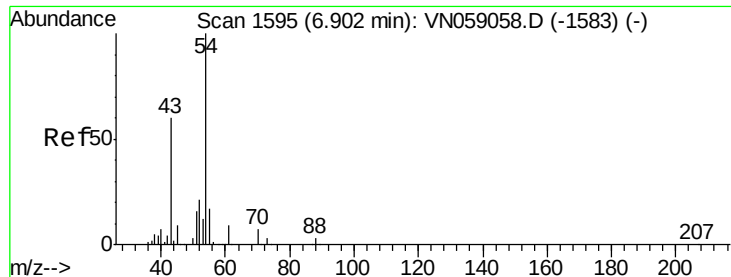
MMDadoda
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#36
1,1-Dichloropropene
Concen: 38.981 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	360644		
110	33.2	16.9	50.6	
77	31.2	25.0	37.4	





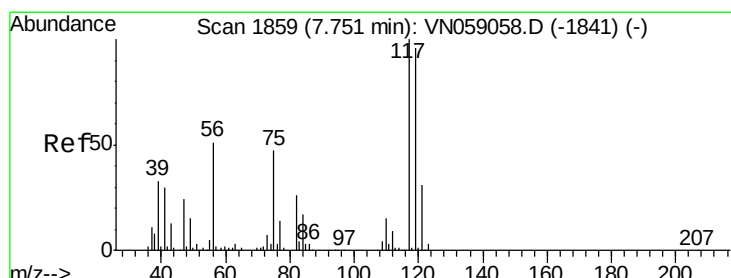
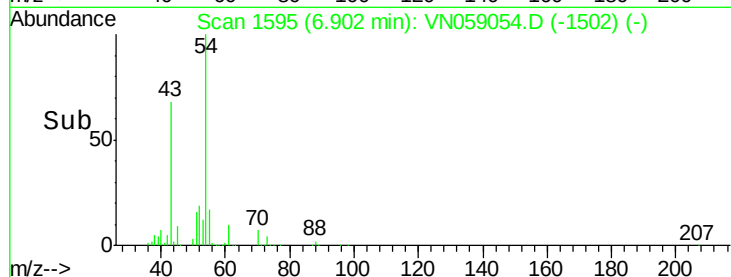
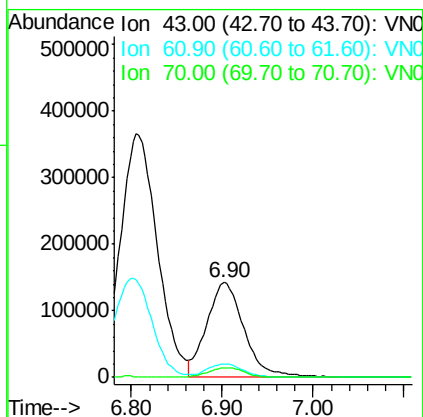
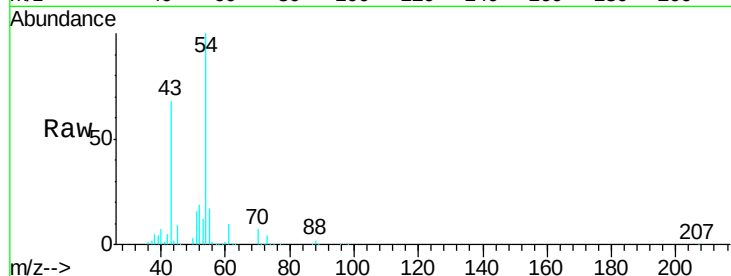
#37
Ethyl Acetate
Concen: 39.613 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	9.8	8.0	12.0

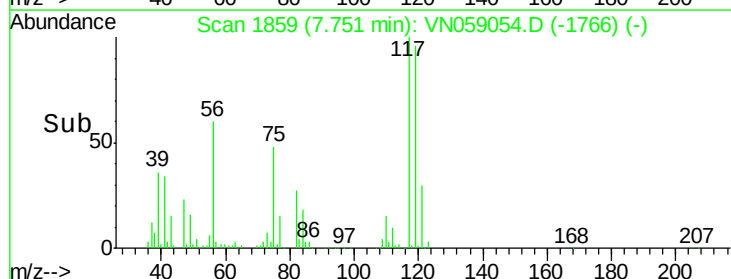
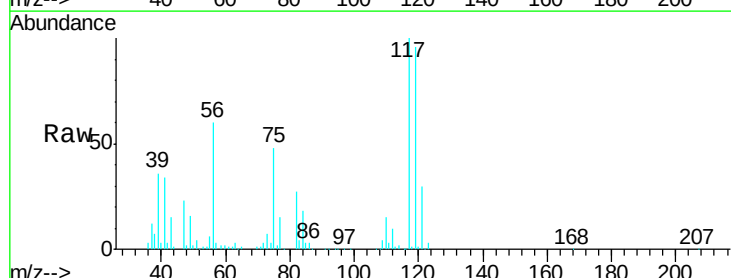
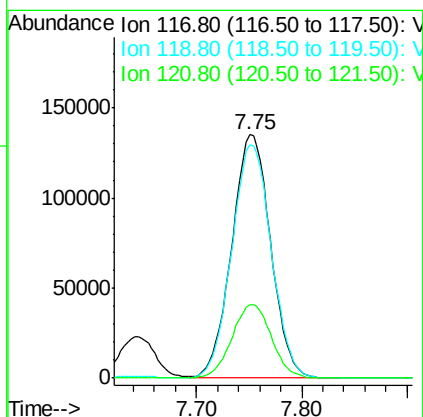
Manual Integrations
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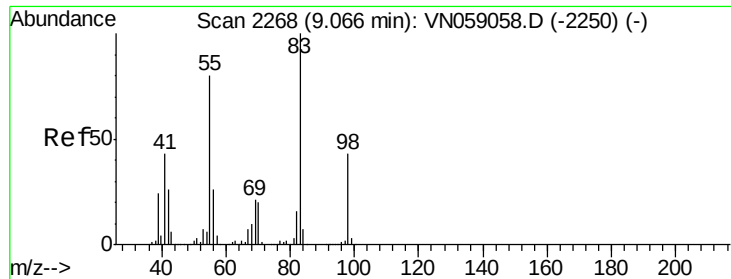
MMDadoda
11/5/2019 1:58:49 PM



#38
Carbon Tetrachloride
Concen: 36.454 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
121	30.0	24.6	37.0





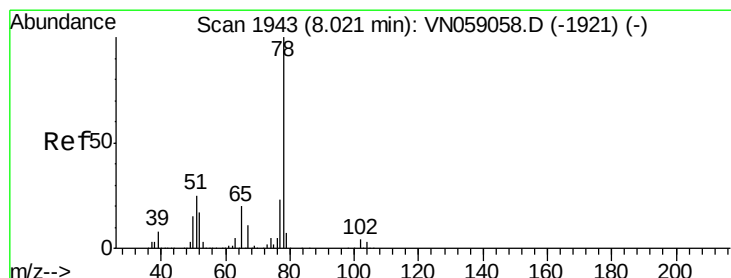
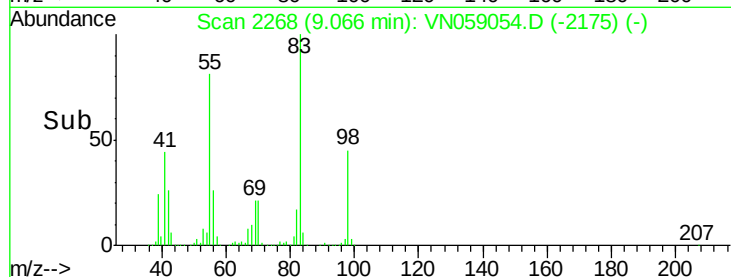
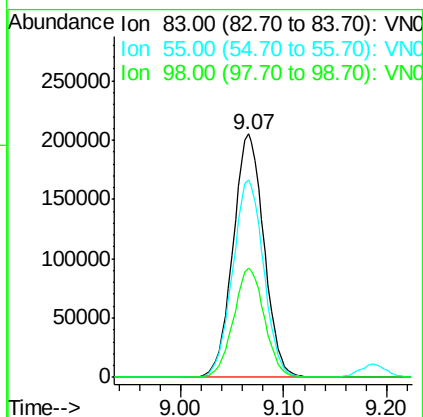
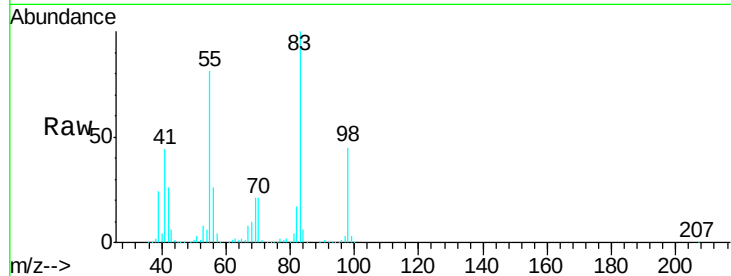
#39
Methylcyclohexane
Concen: 40.744 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.2	64.1	96.1
98	44.9	34.3	51.5

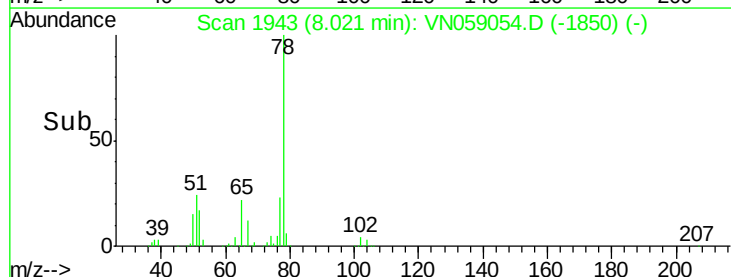
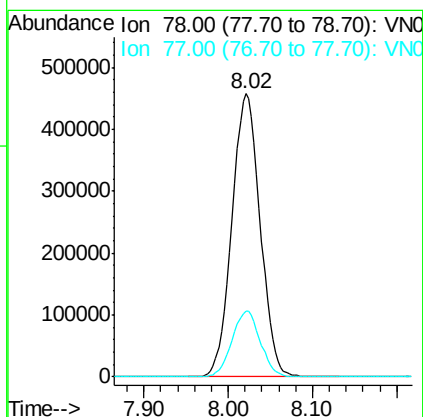
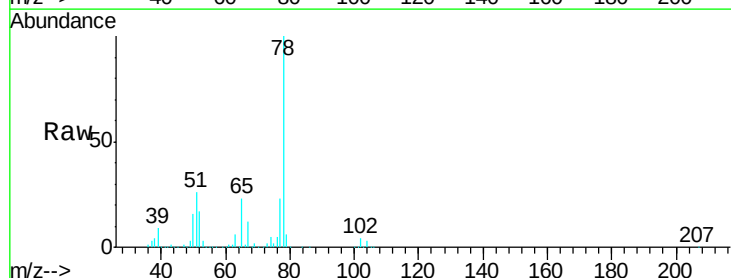
Manual Integrations
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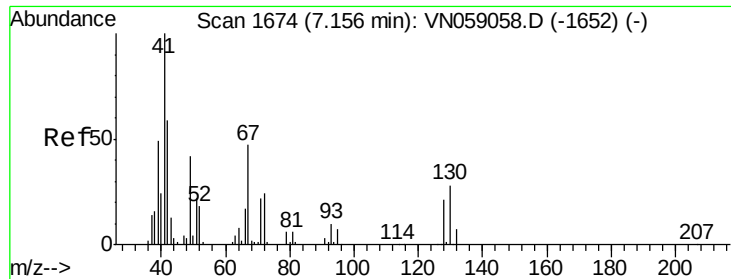
MMDadoda
11/5/2019 1:58:49 PM



#40
Benzene
Concen: 39.092 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	27.8





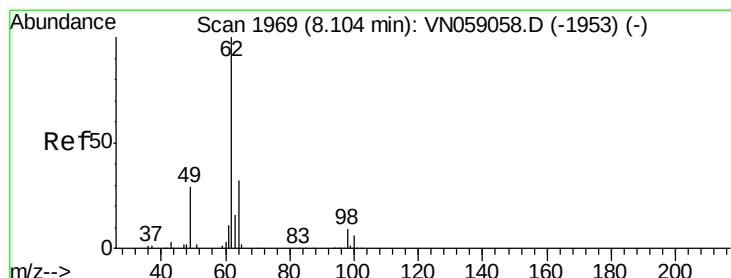
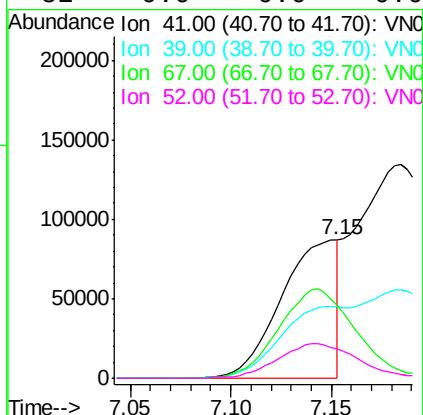
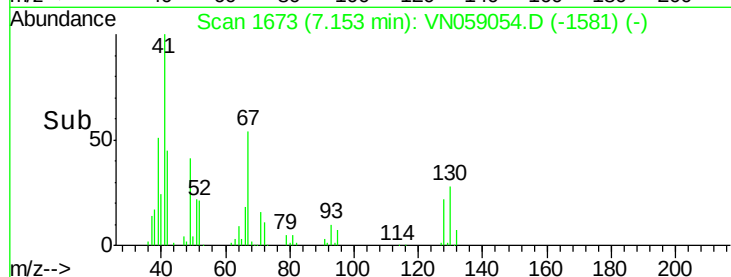
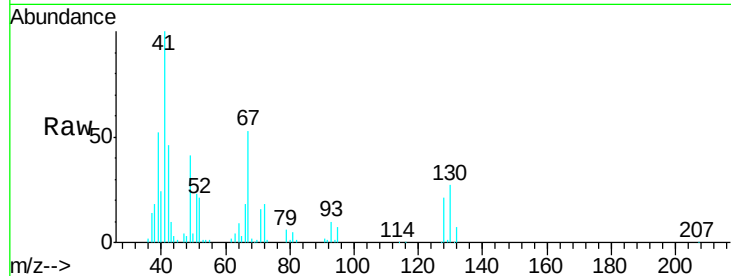
#41
Methacrylonitrile
Concen: 36.799 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt 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

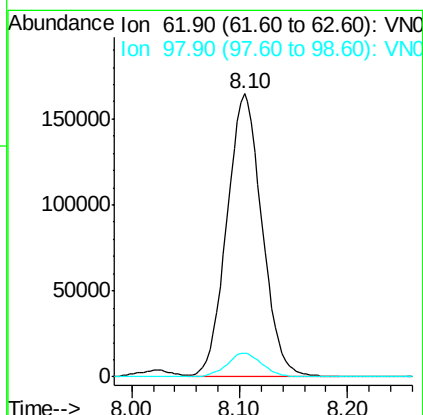
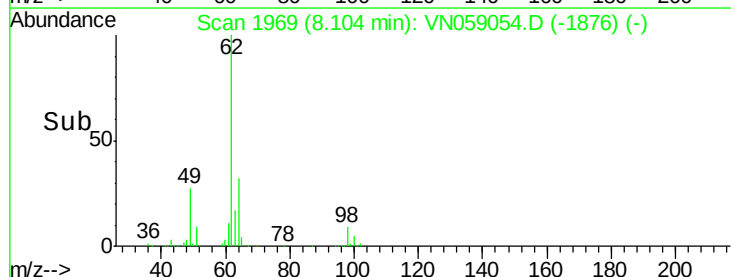
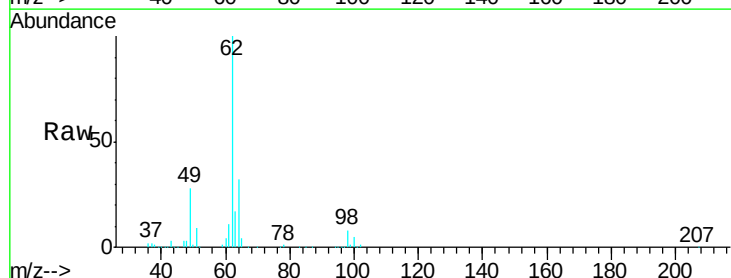
Manual Integrations
APPROVED

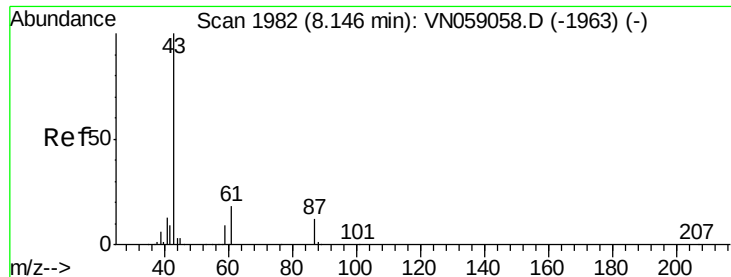
MMDadoda
11/5/2019 1:58:49 PM



#42
1,2-Dichloroethane
Concen: 35.982 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.0





#43

Isopropyl Acetate

Concen: 38.791 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

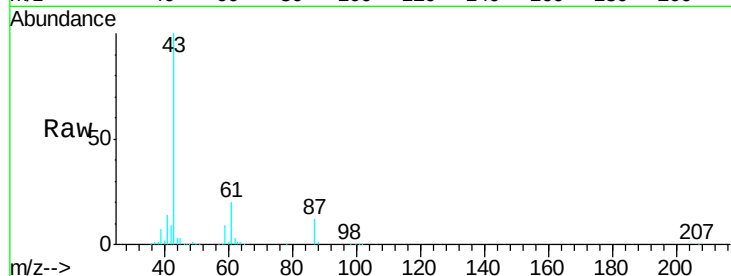
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	629576
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.5	30.7
87	12.5	9.8	14.8

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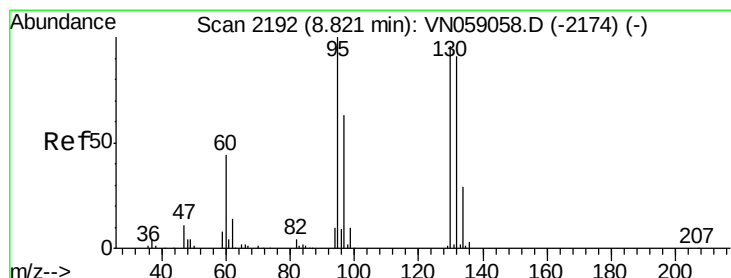
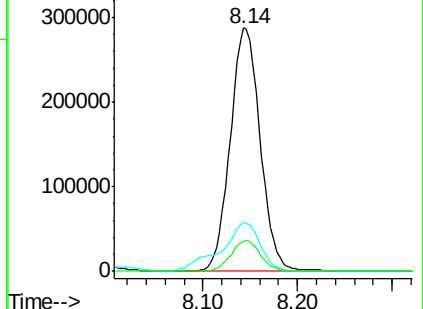
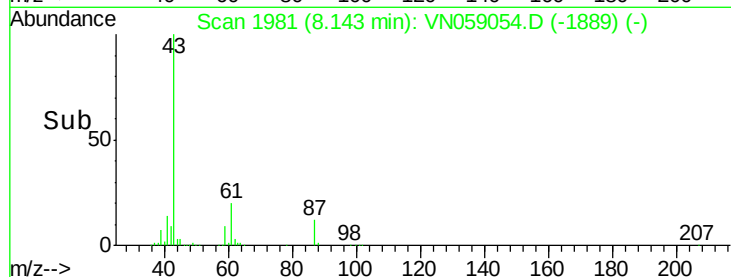


Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059058.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059058.D (-1963) (-)

Time-->



#44

Trichloroethene

Concen: 38.716 ug/l

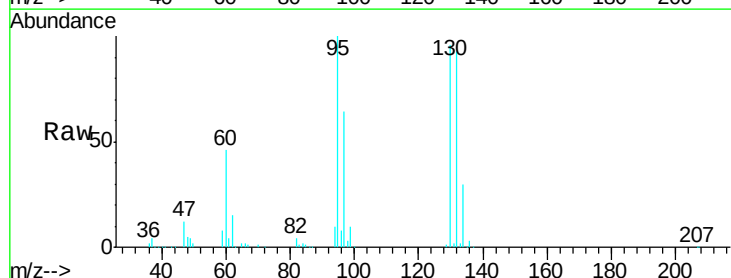
RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

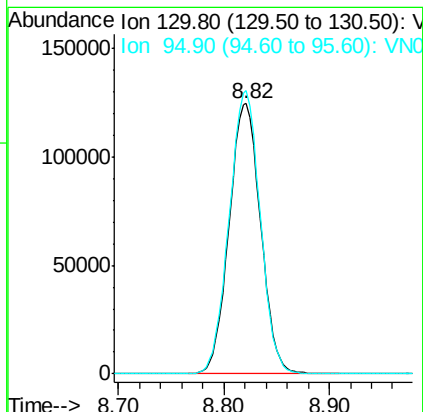
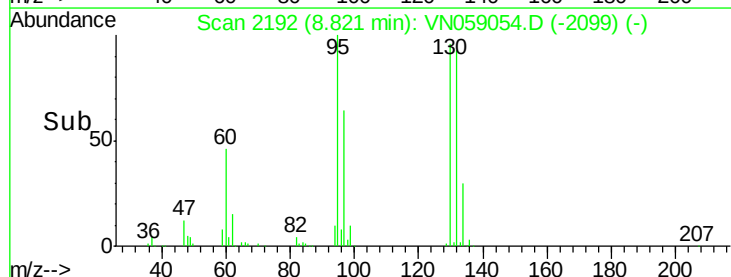
Tgt Ion:	130	Resp:	257887
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	207.6

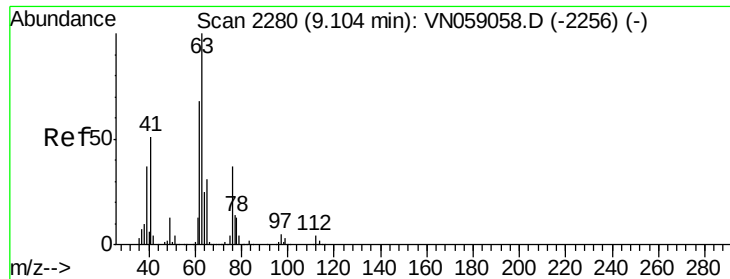


Abundance Ion 129.80 (129.50 to 130.50): VN059058.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN059058.D (-2174) (-)

Time-->





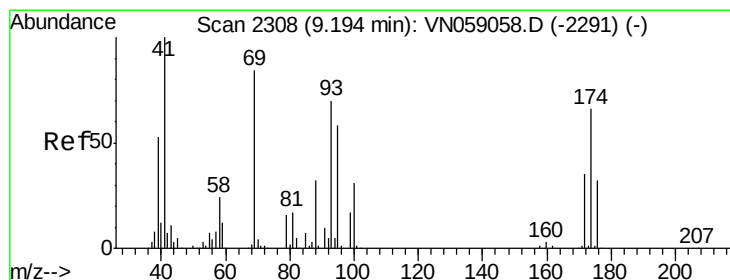
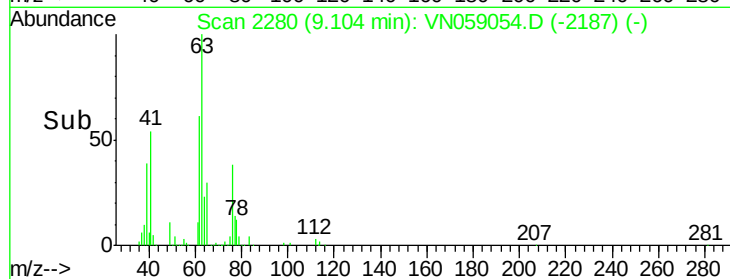
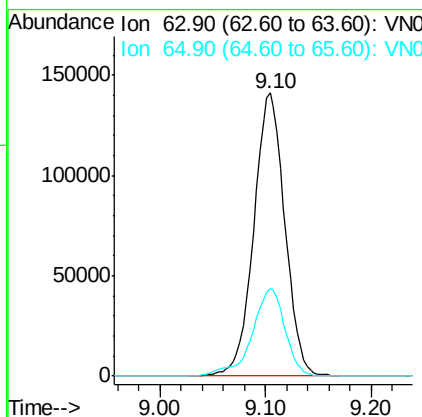
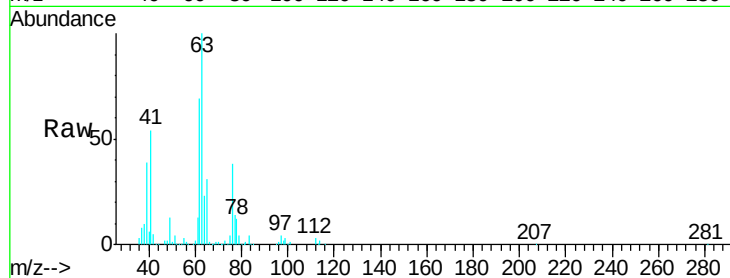
#45
 1,2-Dichloropropane
 Concen: 38.675 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 289141
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

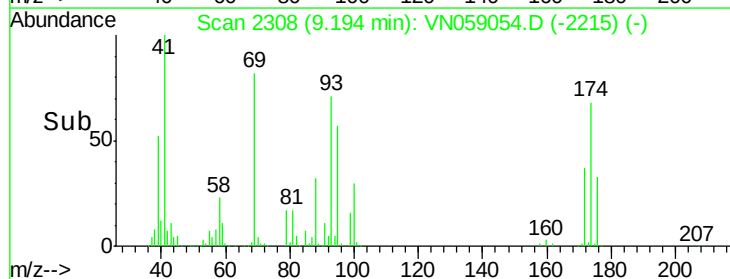
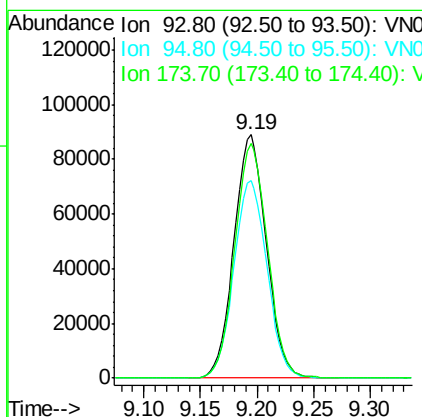
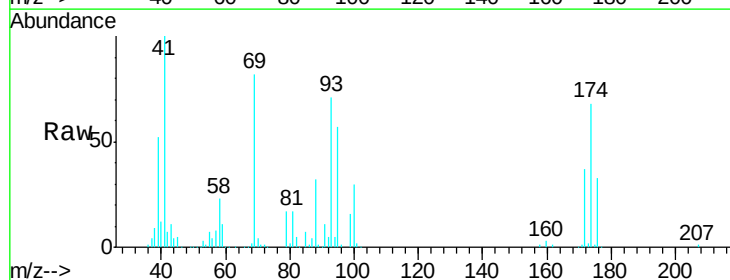
Manual Integrations
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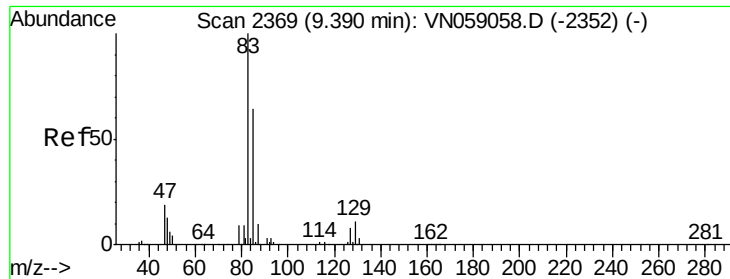
MMDadoda
 11/5/2019 1:58:49 PM



#46
 Dibromomethane
 Concen: 37.843 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Tgt Ion: 93 Resp: 178152
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 97.4 78.3 117.5





#47

Bromodichloromethane

Concen: 37.582 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

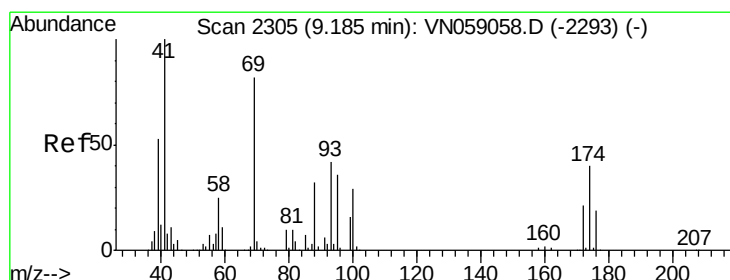
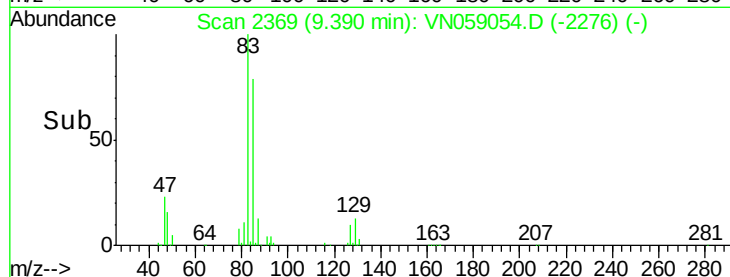
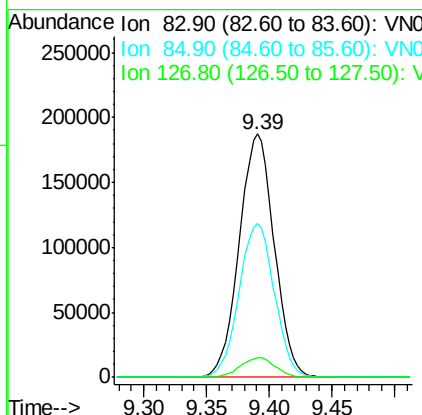
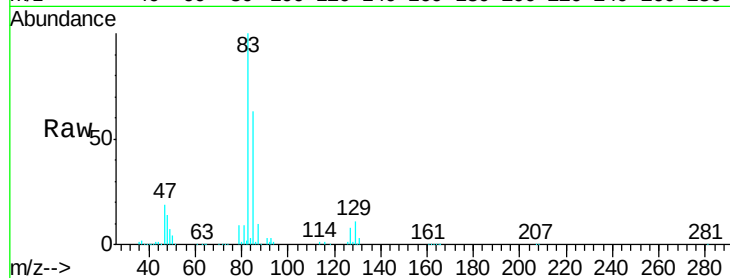
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	363774
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.2	76.8
127	8.3	6.5	9.7

Manual Integrations
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11/5/2019 1:58:49 PM



#48

Methyl methacrylate

Concen: 39.885 ug/l

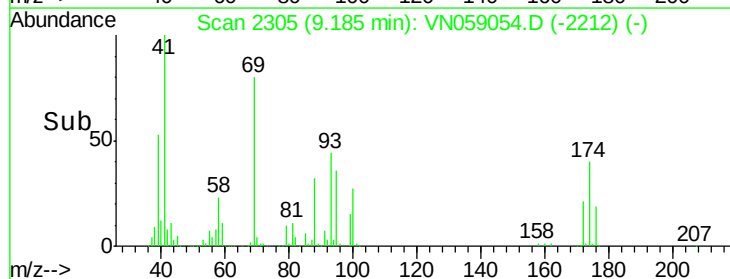
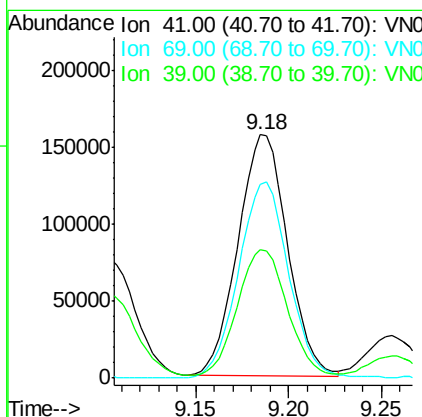
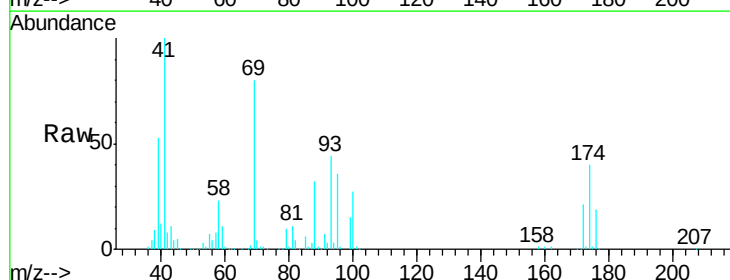
RT: 9.18 min Scan# 2305

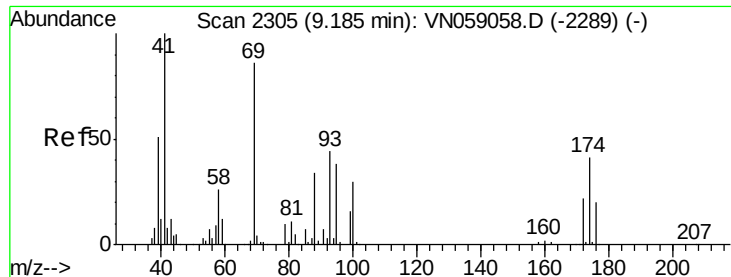
Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Tgt Ion:	41	Resp:	291823
Ion	Ratio	Lower	Upper
41	100		
69	82.6	67.1	100.7
39	54.4	43.3	64.9





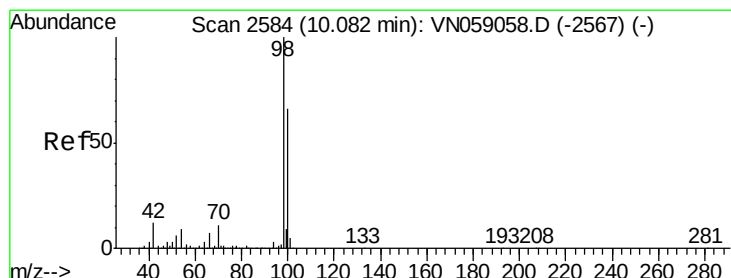
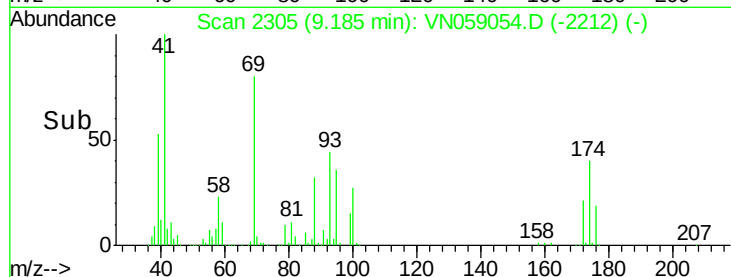
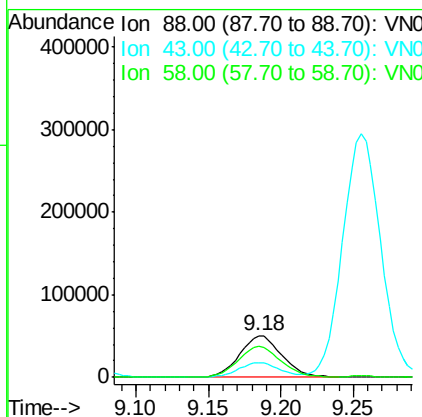
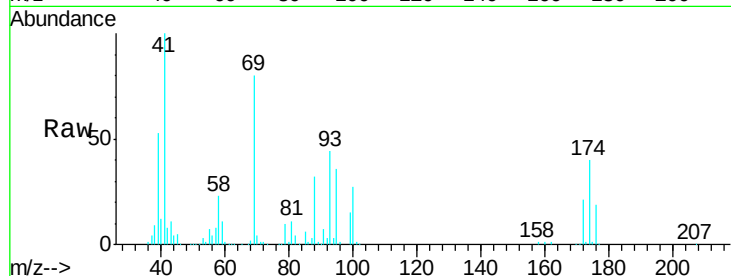
#49
1,4-Dioxane
Concen: 831.215 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	102281		
43	33.2	26.2	39.2	
58	75.1	59.1	88.7	

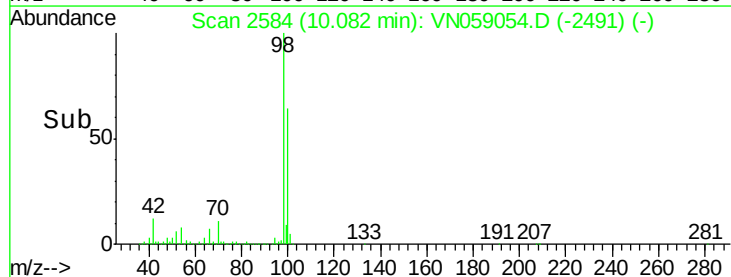
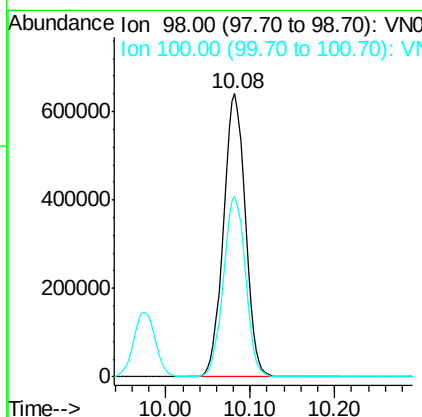
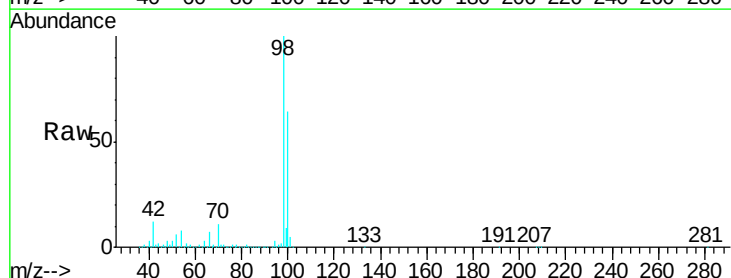
Manual Integrations
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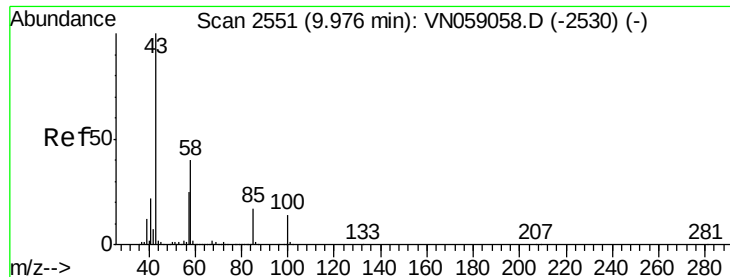
MMDadoda
11/5/2019 1:58:49 PM



#50
Toluene-d8
Concen: 49.136 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1153727		
100	64.2	51.7	77.5	





#51

4-Methyl-2-Pentanone

Concen: 208.856 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1970433

Ion Ratio Lower Upper

43 100

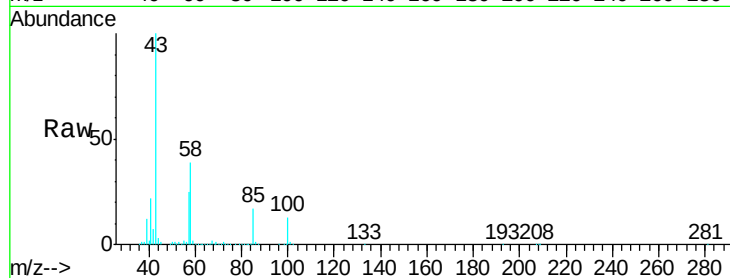
58 38.8 31.8 47.6

Manual Integrations

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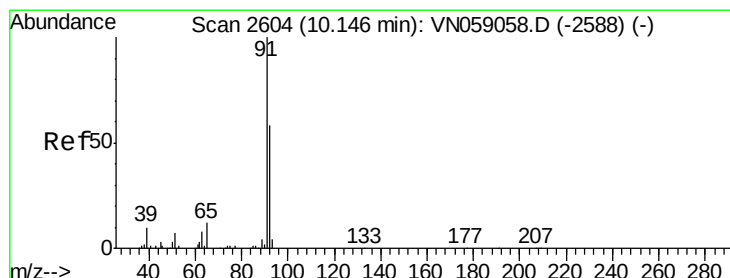
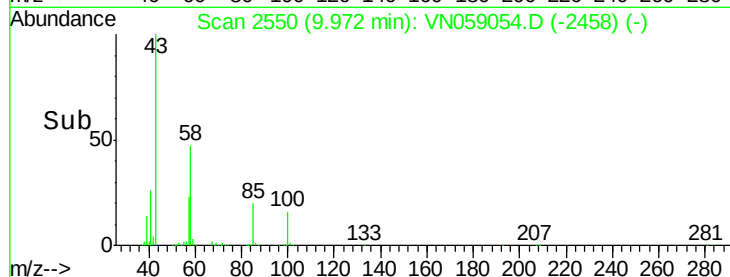
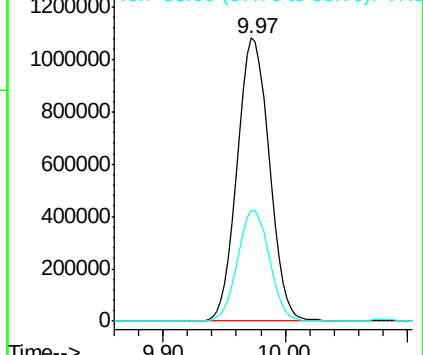
MMDadoda

11/5/2019 1:58:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 40.320 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059054.D

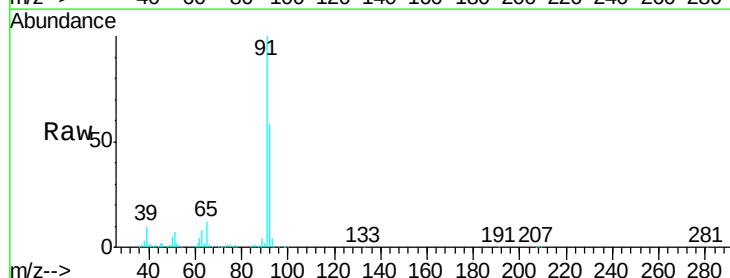
Acq: 1 Nov 2019 11:31

Tgt Ion: 92 Resp: 651006

Ion Ratio Lower Upper

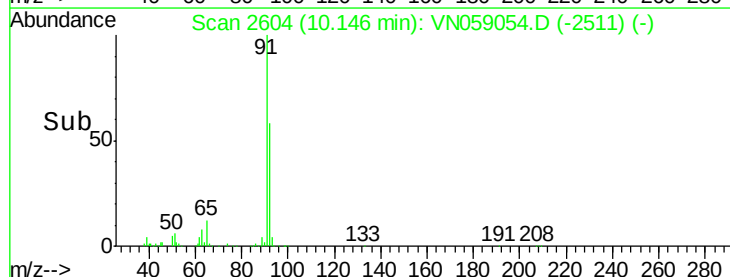
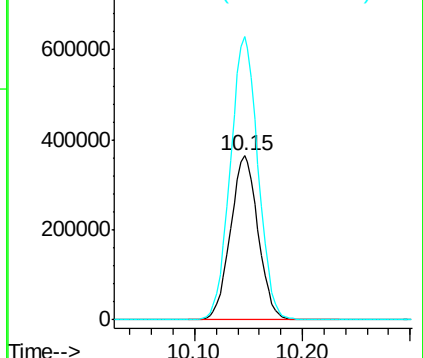
92 100

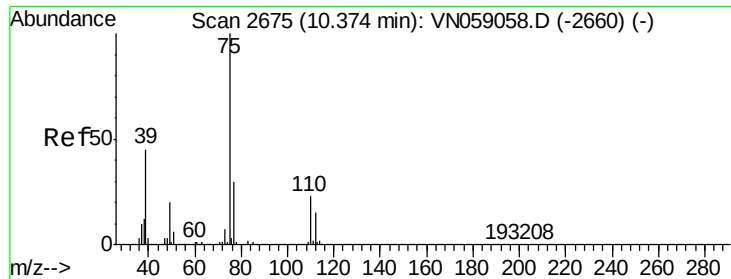
91 173.1 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 39.070 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tgt Ion: 75 Resp: 419831

Ion Ratio Lower Upper

75 100

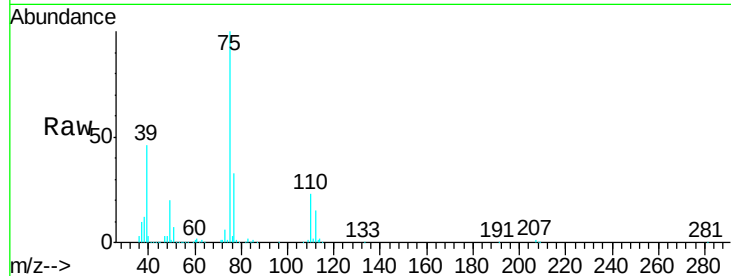
77 32.2 25.6 38.4

Manual Integrations

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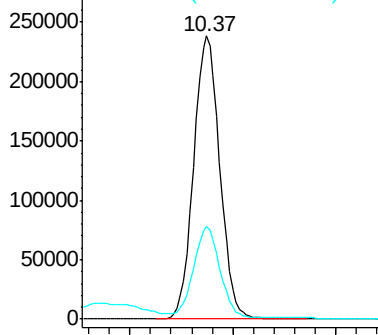
MMDadoda

11/5/2019 1:58:49 PM

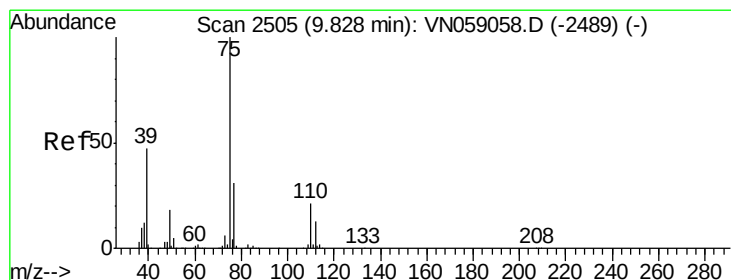
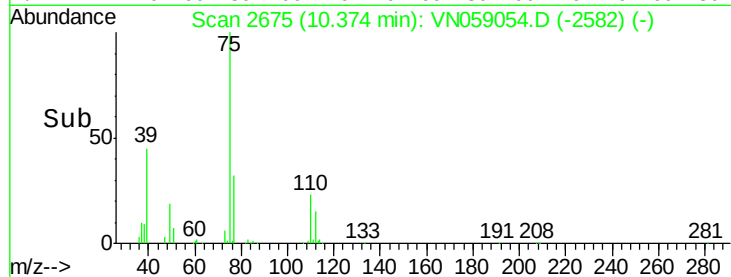


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 39.673 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

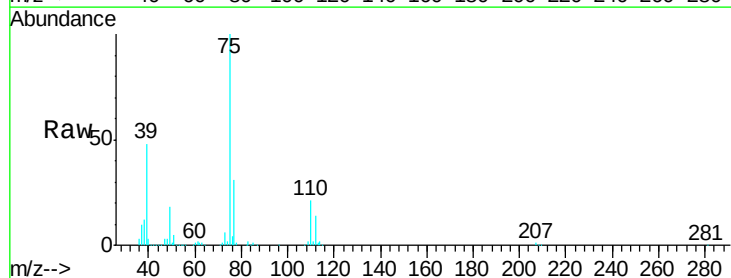
Tgt Ion: 75 Resp: 456624

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0

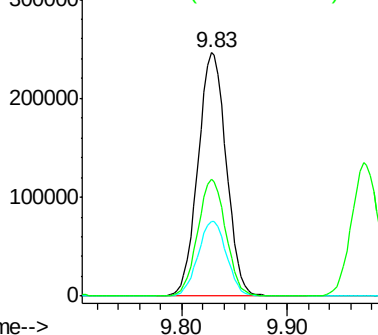
39 48.1 37.4 56.2



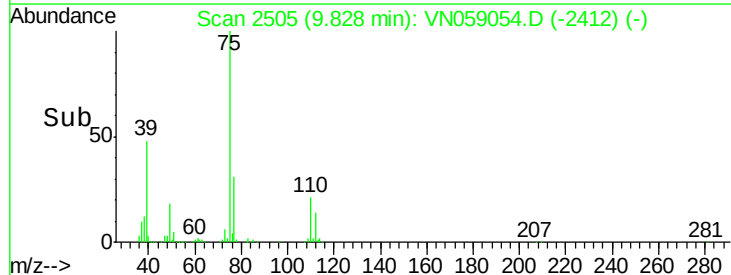
Abundance Ion 74.90 (74.60 to 75.60): VN0

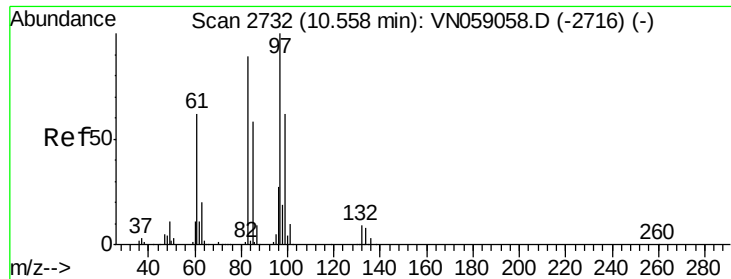
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->





#55

1,1,2-Trichloroethane

Concen: 37.481 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

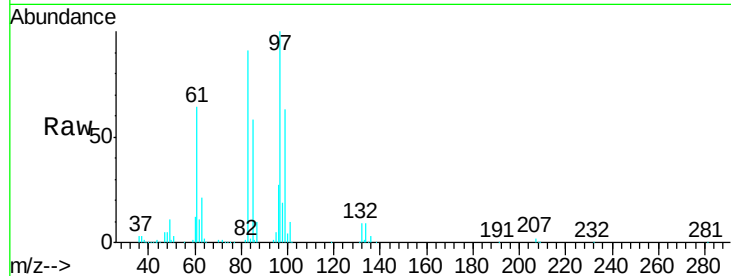
ClientSampleId :

VSTDICCC050

Tgt Ion:	97	Resp:	249672
Ion	Ratio	Lower	Upper
97	100		
83	91.4	71.4	107.2
85	58.1	46.6	70.0
99	63.3	49.7	74.5

Manual Integrations
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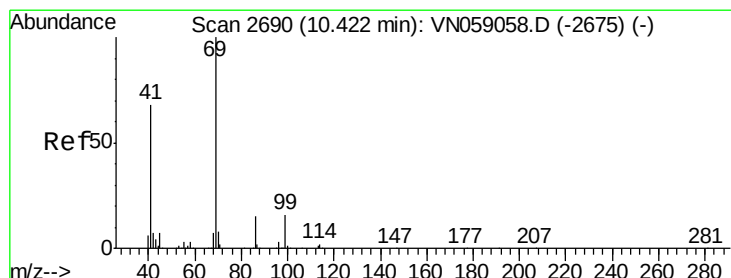
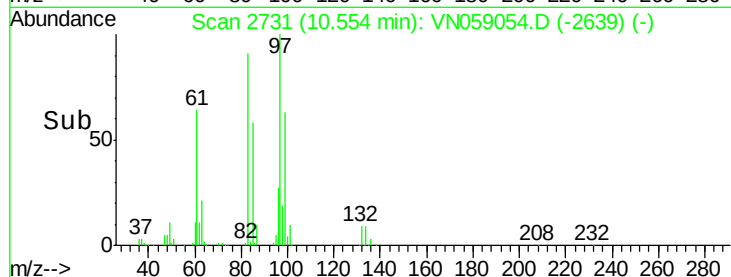
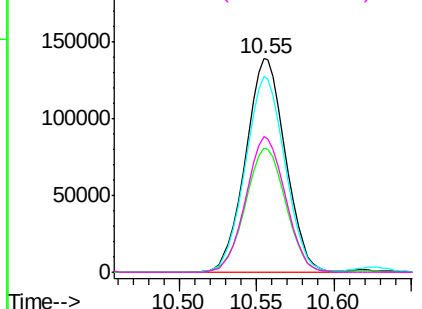


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 41.732 ug/l

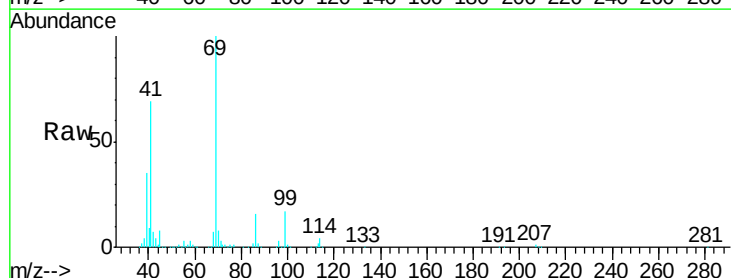
RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

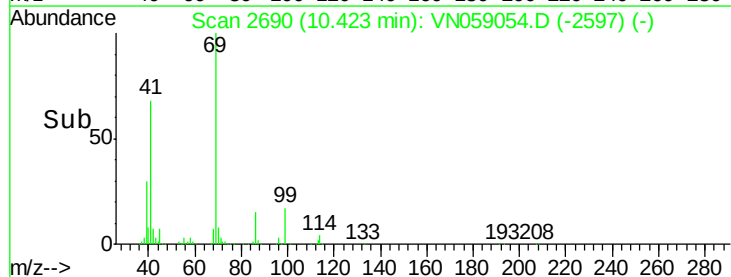
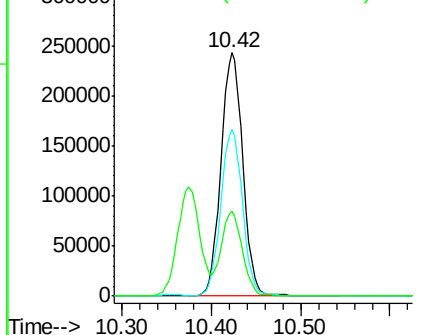
Tgt Ion:	69	Resp:	410426
Ion	Ratio	Lower	Upper
69	100		
41	67.9	53.8	80.8
39	33.9	26.2	39.2

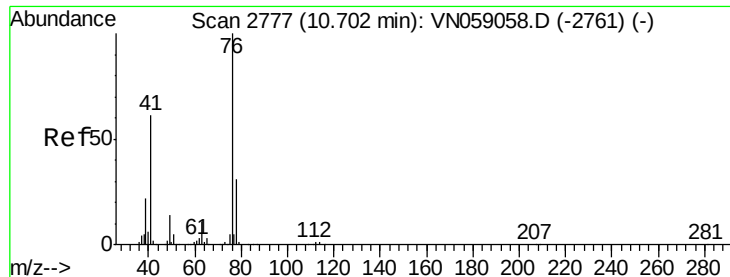


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





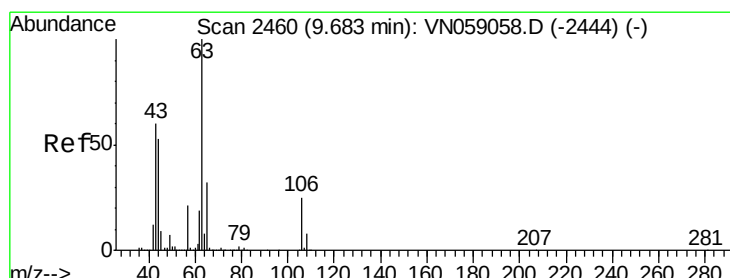
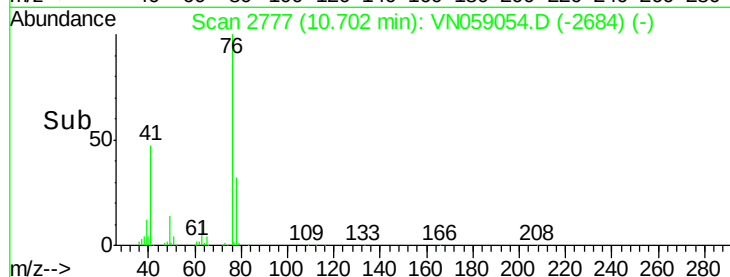
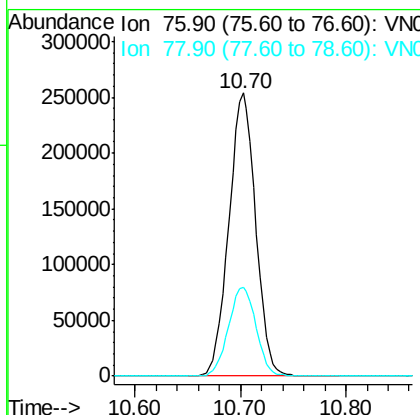
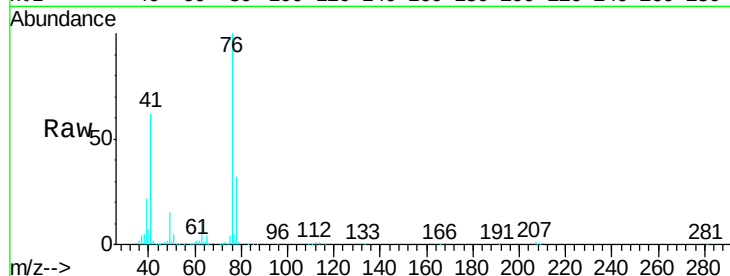
#57
 1,3-Dichloropropane
 Concen: 38.230 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 76 Resp: 445148
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

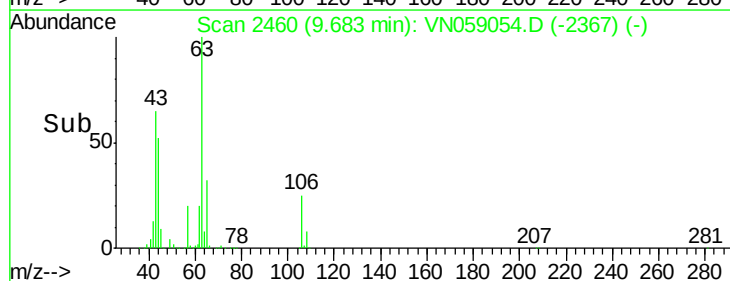
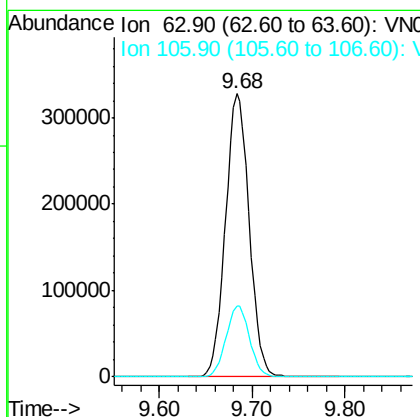
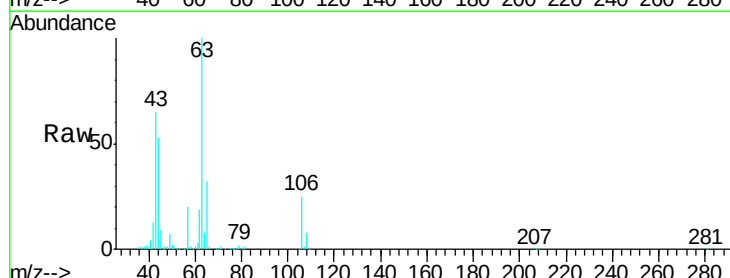
Manual Integrations
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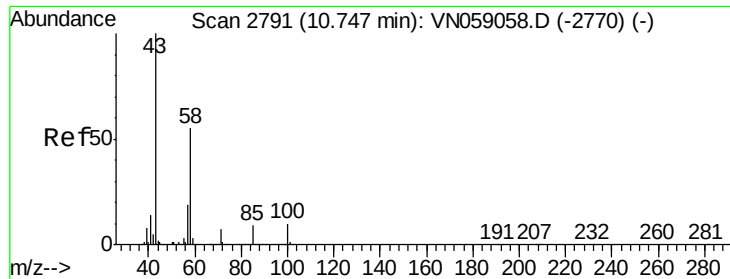
MMDadoda
 11/5/2019 1:58:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 140.552 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Tgt Ion: 63 Resp: 581250
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.8 29.6





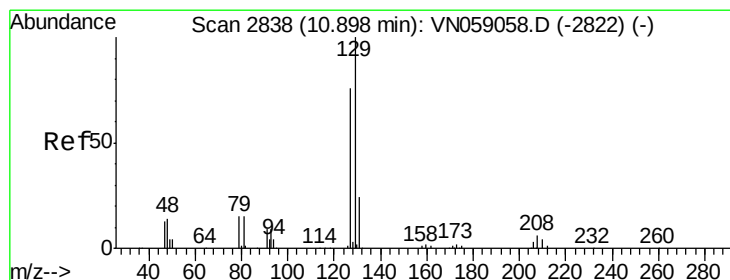
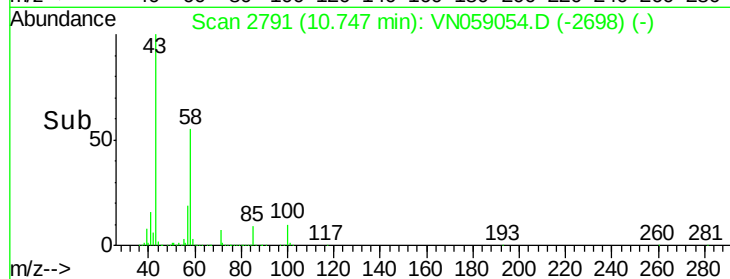
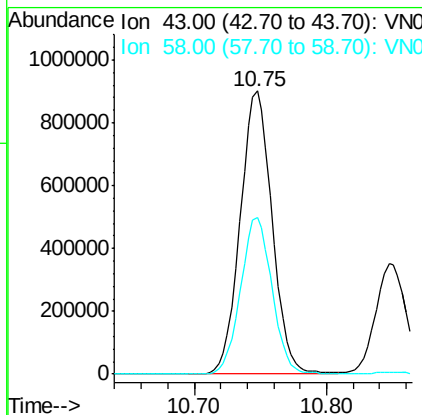
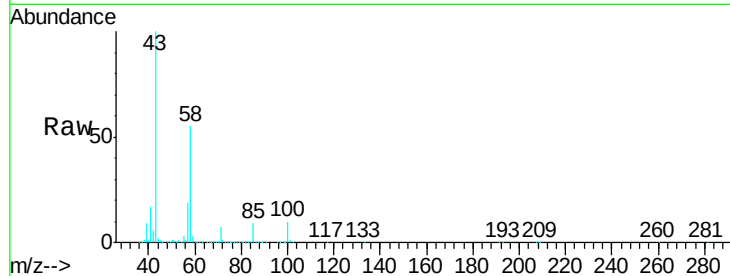
#59
2-Hexanone
Concen: 206.576 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1503341
Ion Ratio Lower Upper
43 100
58 54.7 27.4 82.2

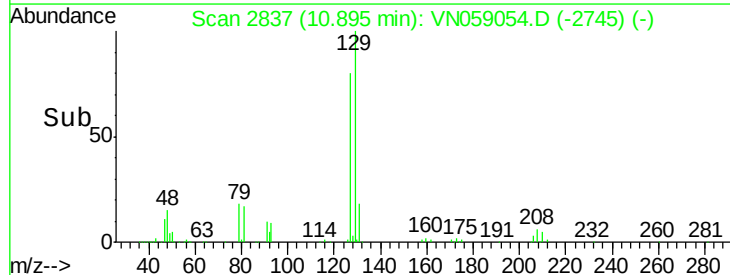
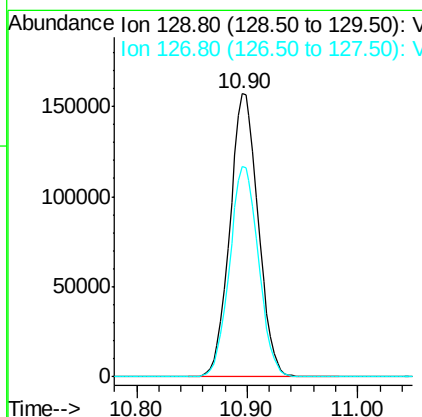
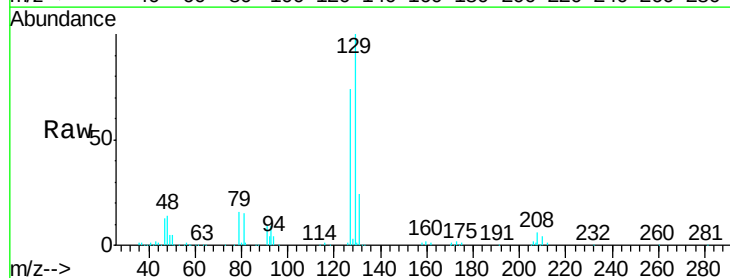
Manual Integrations
APPROVED

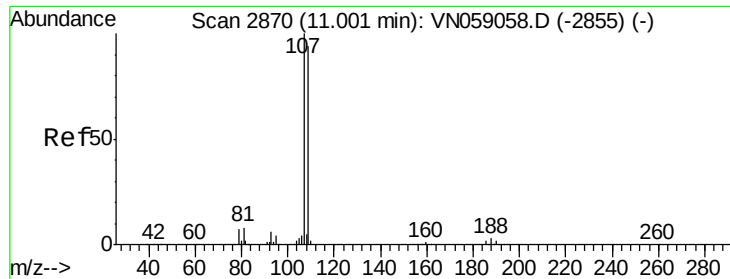
MMDadoda
11/5/2019 1:58:49 PM



#60
Dibromochloromethane
Concen: 39.108 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion: 129 Resp: 280037
Ion Ratio Lower Upper
129 100
127 75.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 39.059 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 107 Resp: 265708

Ion Ratio Lower Upper

107 100

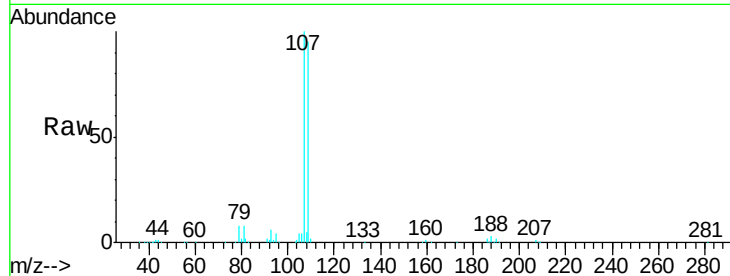
109 94.5 75.5 113.3

Manual Integrations

APPROVED

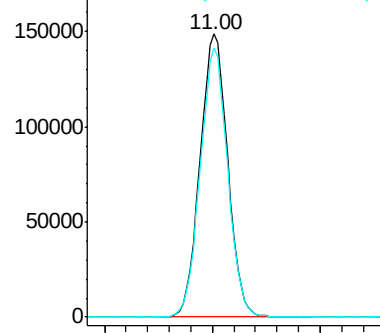
MMDadoda

11/5/2019 1:58:49 PM

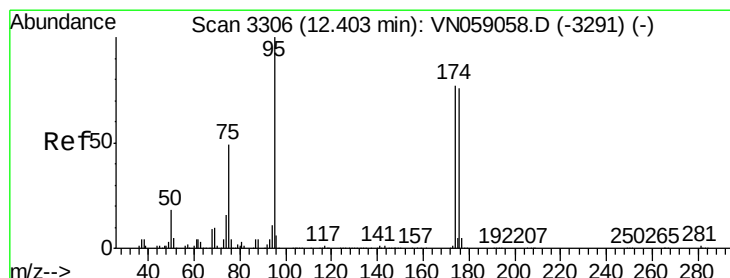
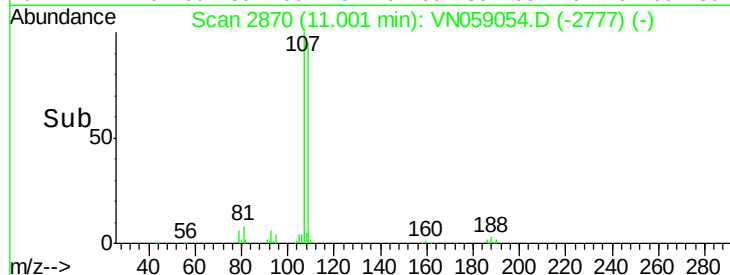


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 48.425 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

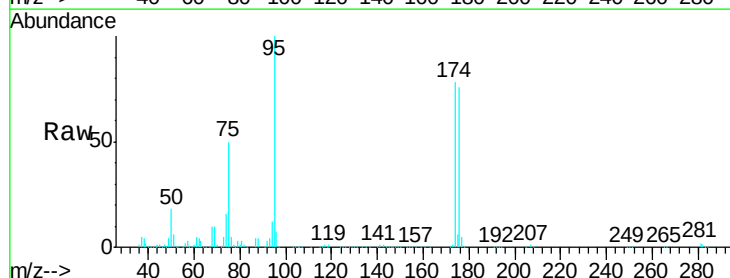
Tgt Ion: 95 Resp: 416501

Ion Ratio Lower Upper

95 100

174 77.6 0.0 155.8

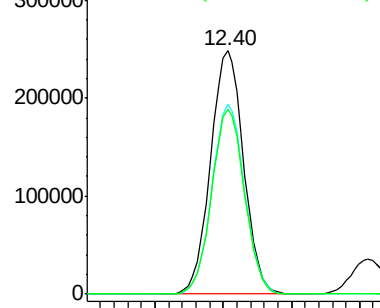
176 75.2 0.0 151.6



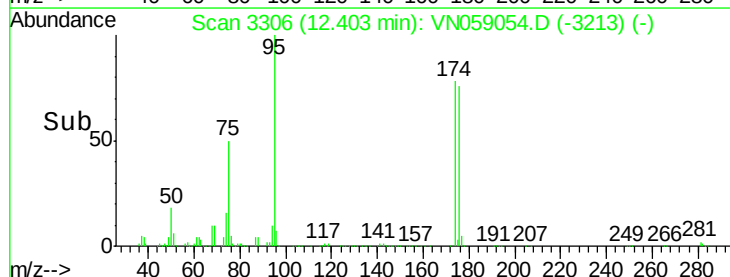
Abundance Ion 94.90 (94.60 to 95.60): V

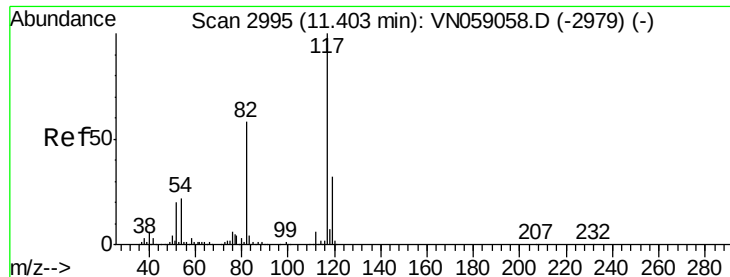
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





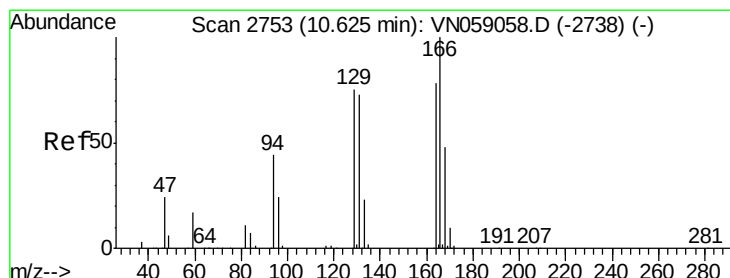
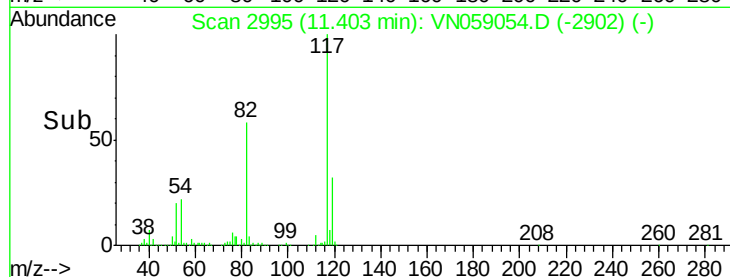
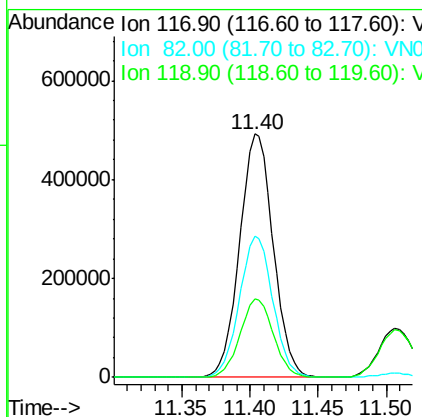
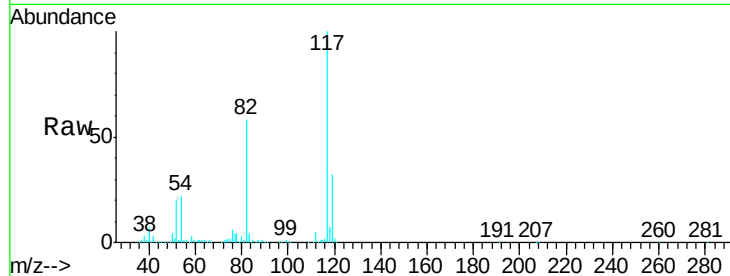
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	841395		
82	57.9	46.0	69.0	
119	32.0	25.6	38.4	

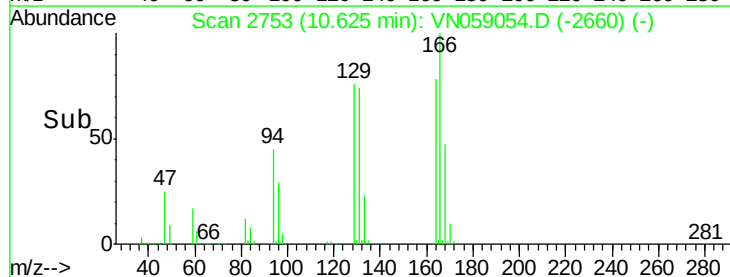
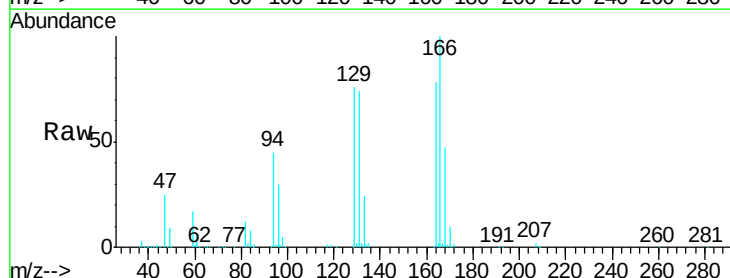
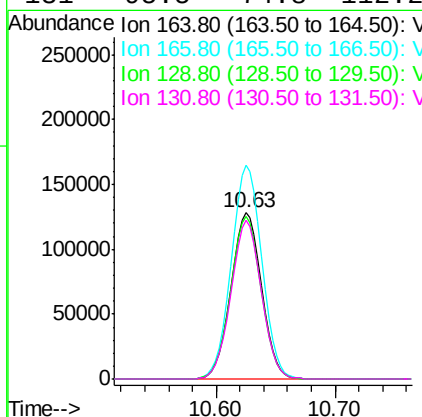
Manual Integrations
APPROVED

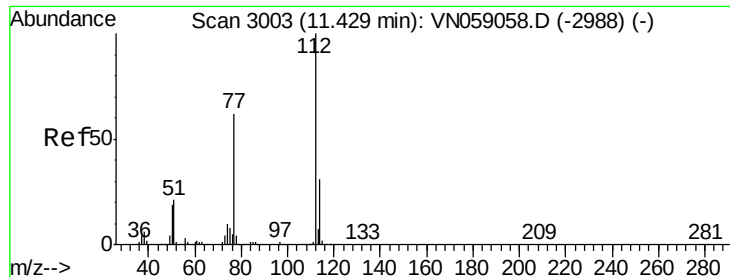
MMDadoda
11/5/2019 1:58:49 PM



#64
Tetrachloroethene
Concen: 39.148 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	228119		
166	128.8	102.7	154.1	
129	97.7	77.3	115.9	
131	95.5	74.8	112.2	





#65

Chlorobenzene

Concen: 39.625 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 672075

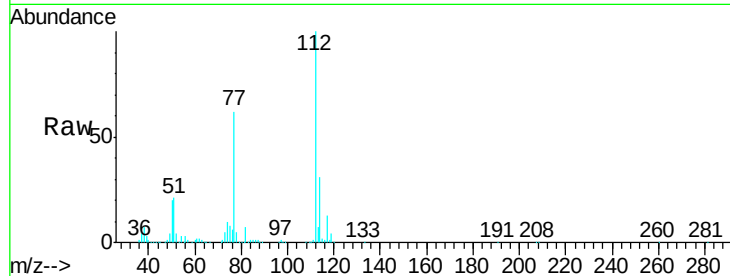
Ion Ratio Lower Upper

112 100

114 30.7 25.0 37.6

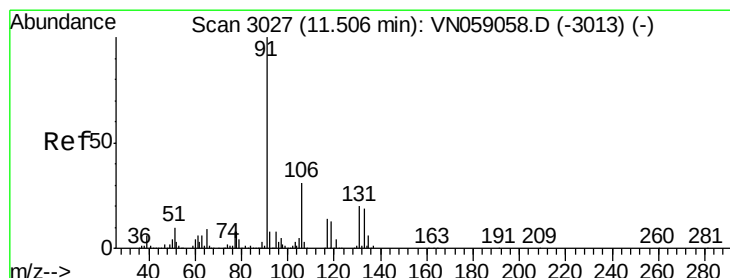
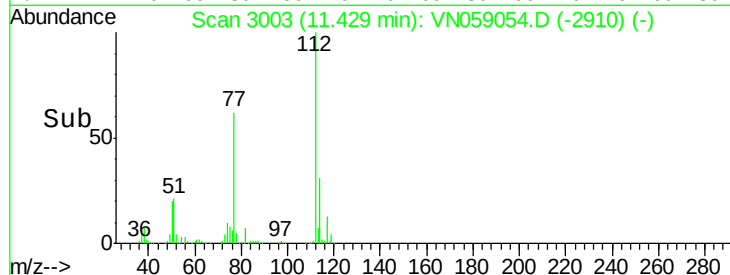
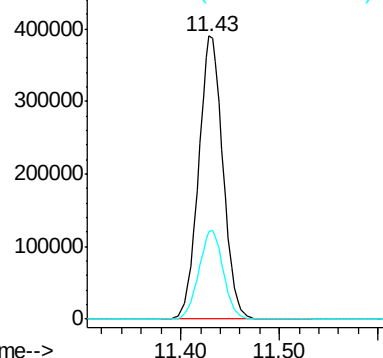
Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 39.413 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

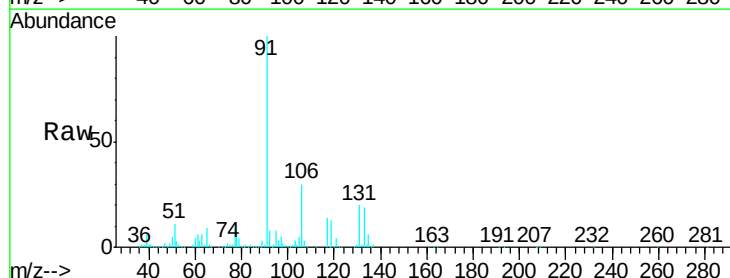
Tgt Ion:131 Resp: 251805

Ion Ratio Lower Upper

131 100

133 95.2 47.9 143.6

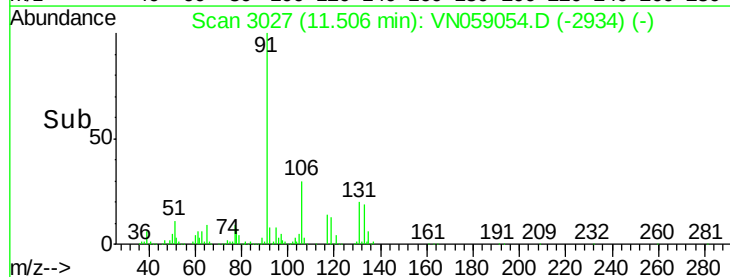
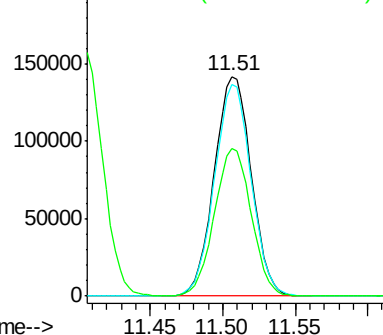
119 66.9 33.5 100.5

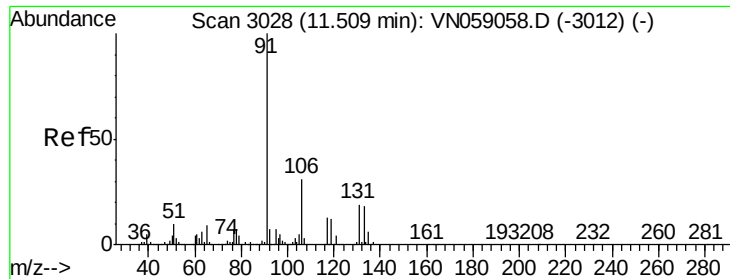


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 42.049 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 1247903

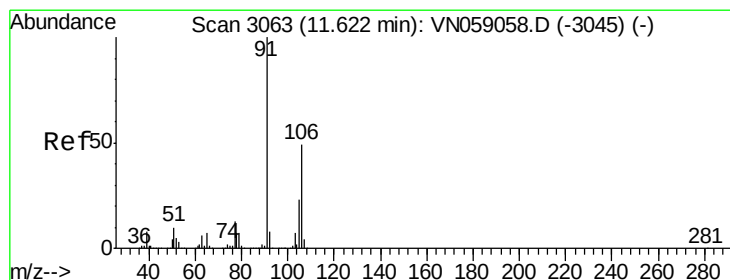
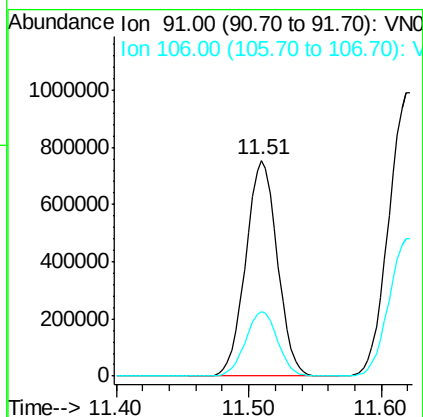
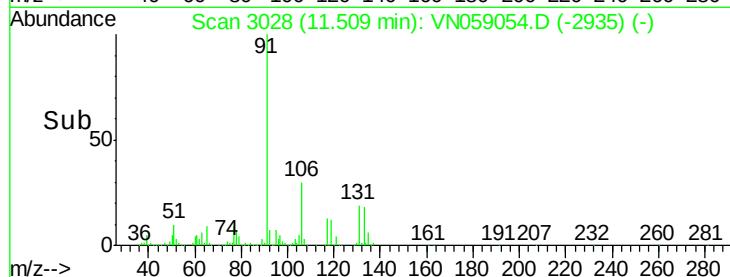
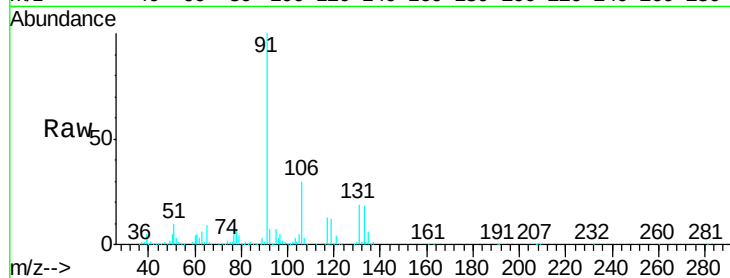
Ion Ratio Lower Upper

91 100

106 30.1 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 84.615 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059054.D

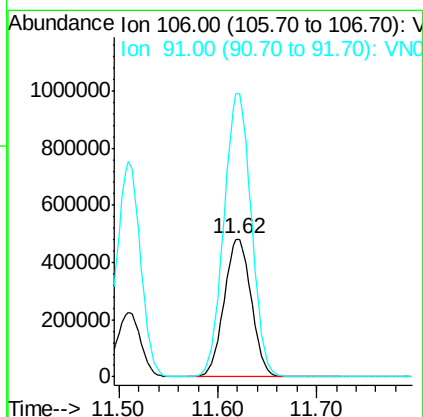
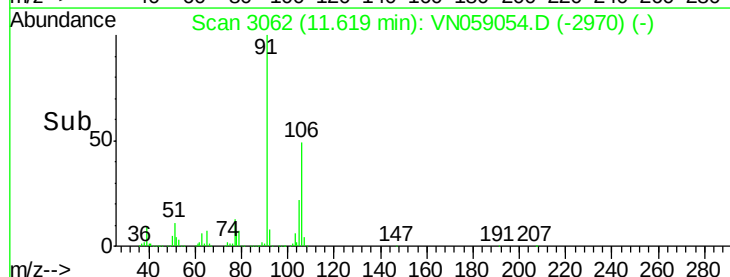
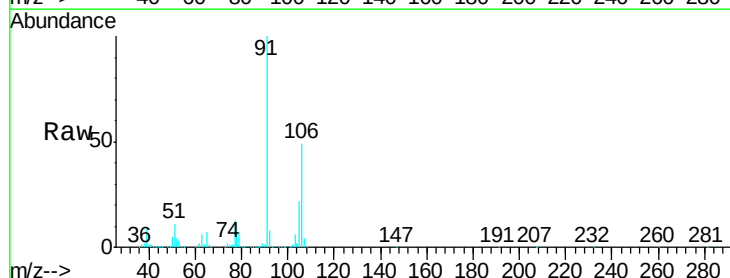
Acq: 1 Nov 2019 11:31

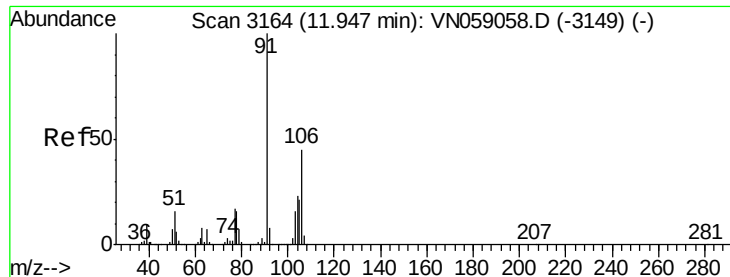
Tgt Ion: 106 Resp: 929979

Ion Ratio Lower Upper

106 100

91 207.6 165.7 248.5





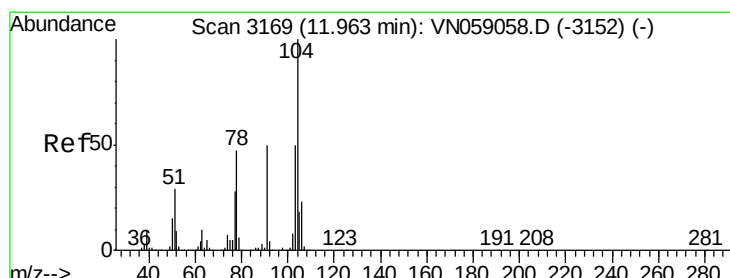
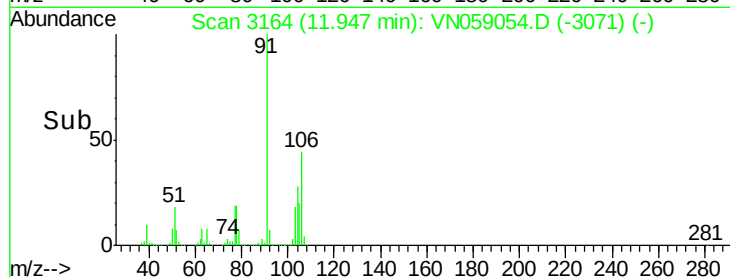
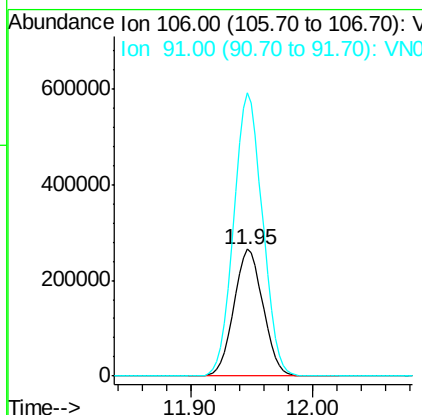
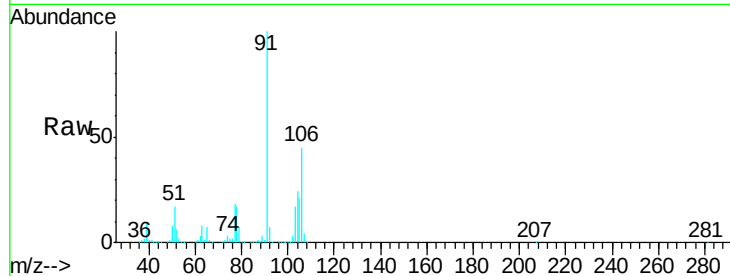
#69
o-Xylene
Concen: 41.757 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 438888
Ion Ratio Lower Upper
106 100
91 220.6 110.4 331.2

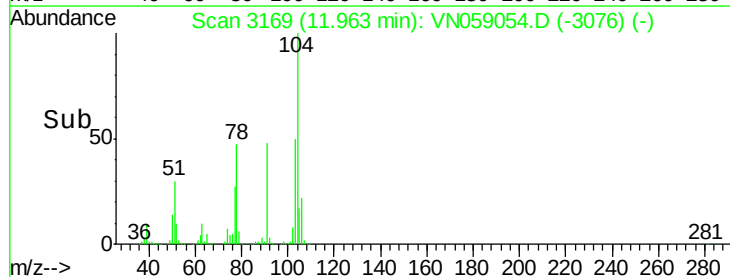
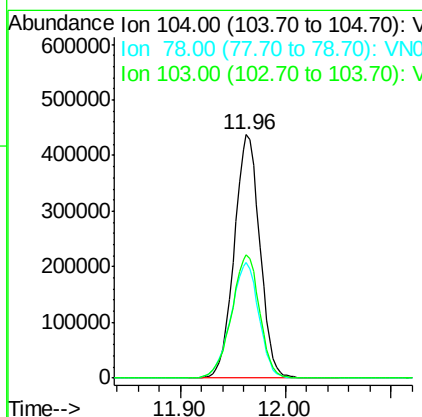
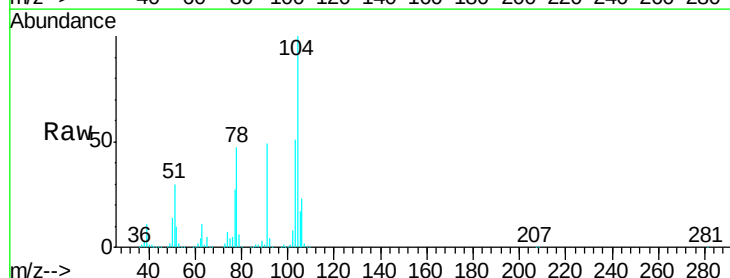
Manual Integrations
APPROVED

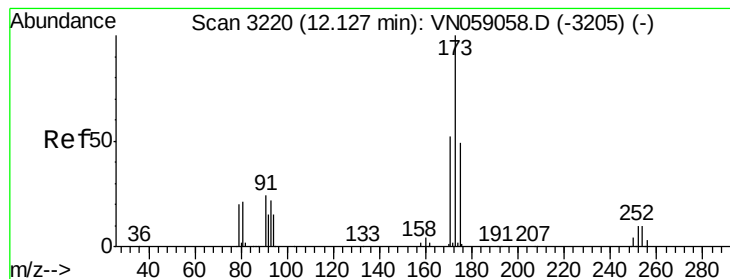
MMDadoda
11/5/2019 1:58:49 PM



#70
Styrene
Concen: 42.945 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion:104 Resp: 736075
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 40.277 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:173 Resp: 200502

Ion Ratio Lower Upper

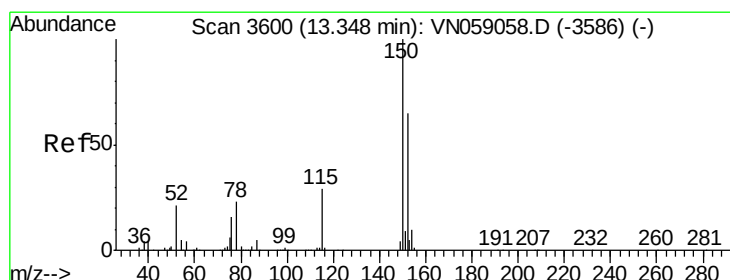
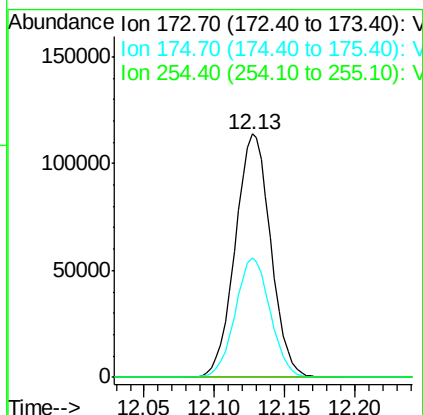
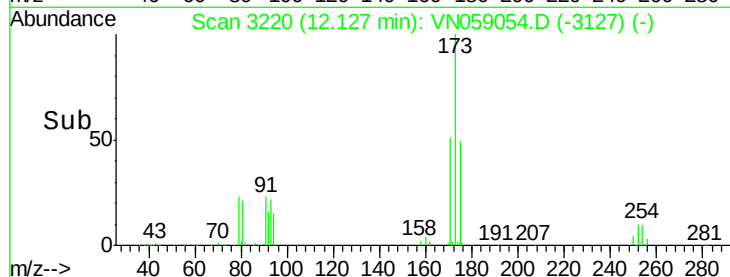
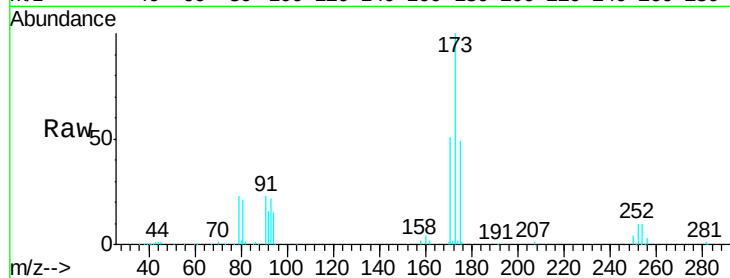
173 100

175 48.4 24.4 73.2

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
11/5/2019 1:58:49 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

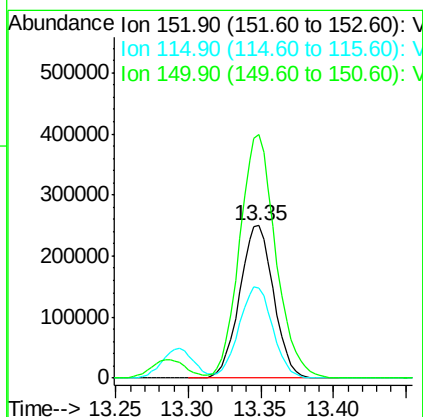
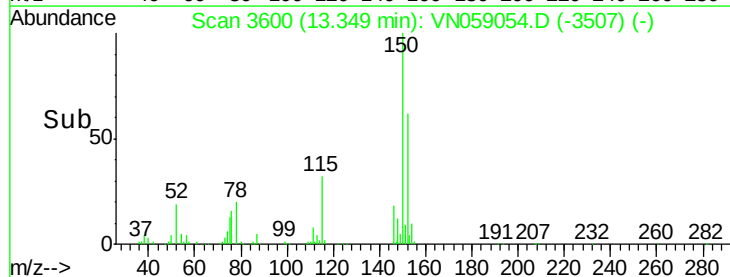
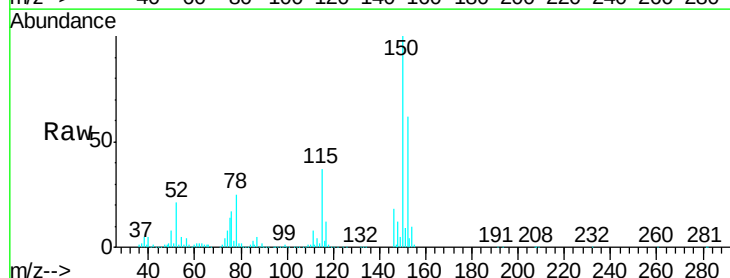
Tgt Ion:152 Resp: 406596

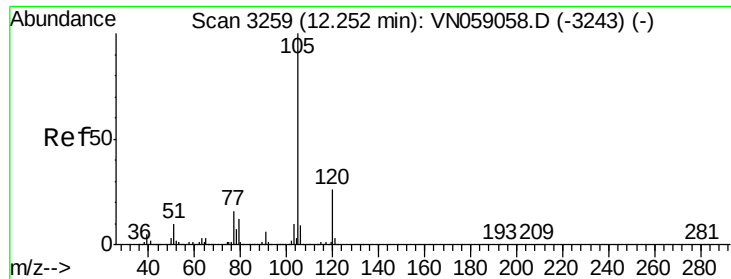
Ion Ratio Lower Upper

152 100

115 59.5 29.6 88.9

150 170.4 0.0 345.8





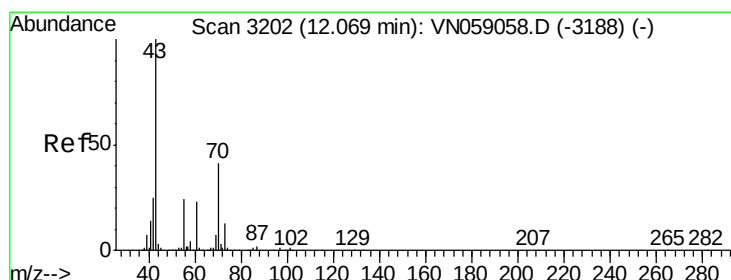
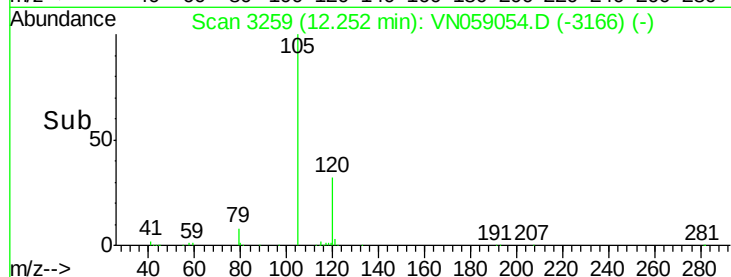
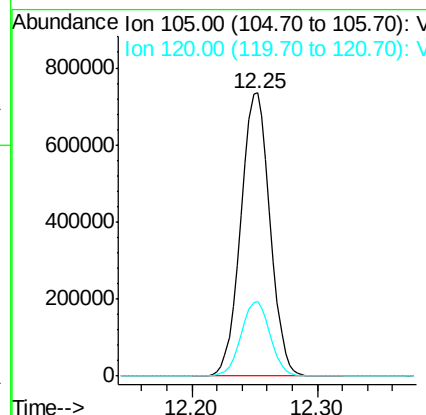
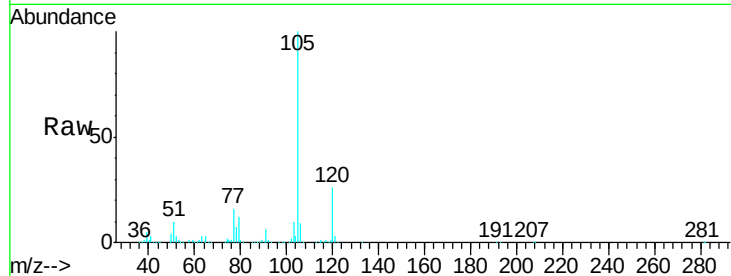
#73
Isopropylbenzene
Concen: 40.235 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 105 Resp: 1185425
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.1

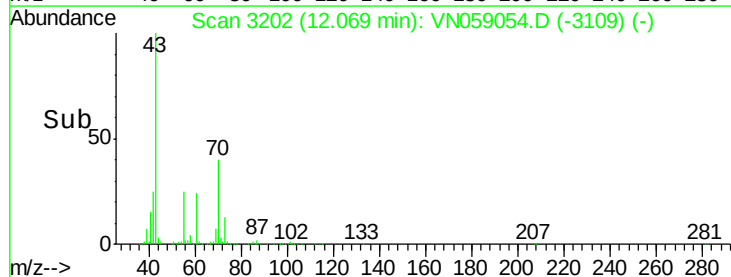
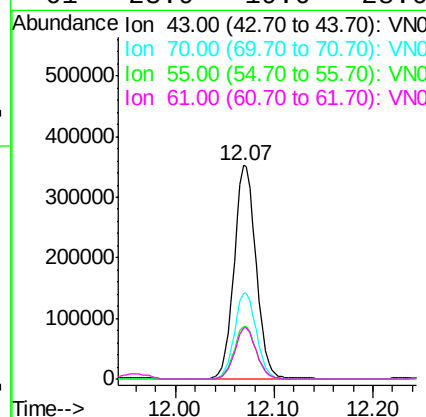
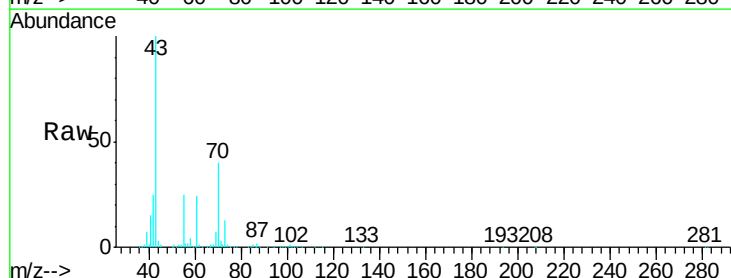
Manual Integrations
APPROVED

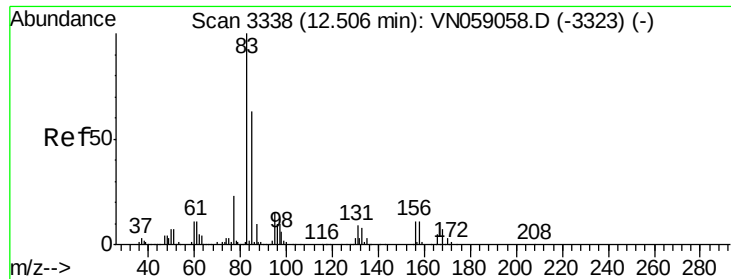
MMDadoda
11/5/2019 1:58:49 PM



#74
N-ethyl acetate
Concen: 41.183 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion: 43 Resp: 546576
Ion Ratio Lower Upper
43 100
70 40.3 32.6 49.0
55 25.2 19.7 29.5
61 23.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 37.745 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 390924
Ion Ratio Lower Upper

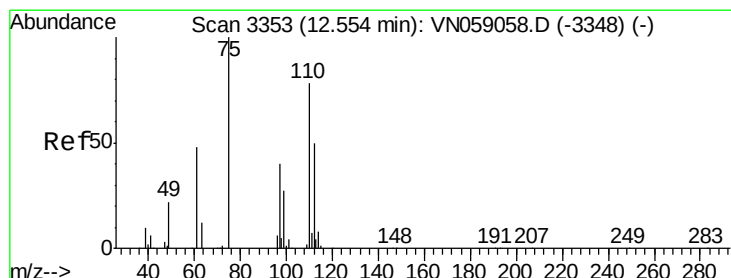
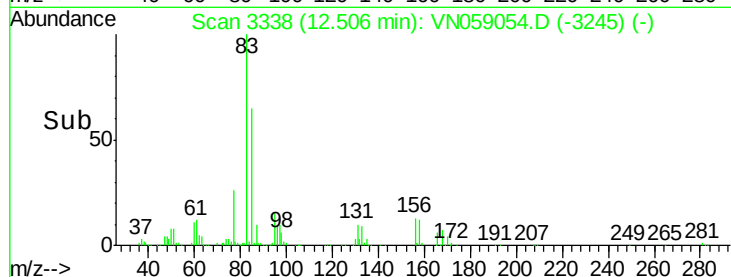
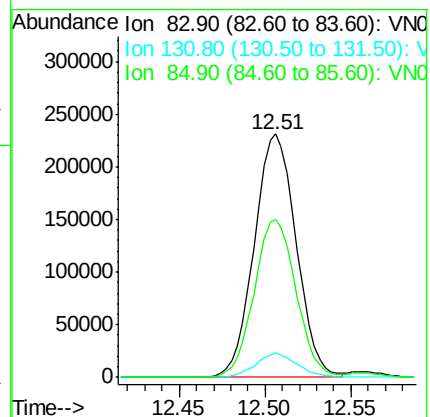
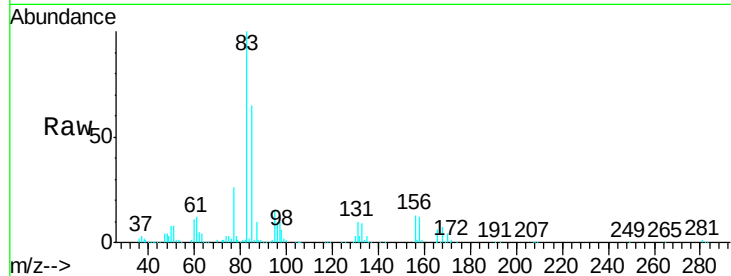
83 100

131 9.8 4.9 14.7

85 64.8 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 38.279 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

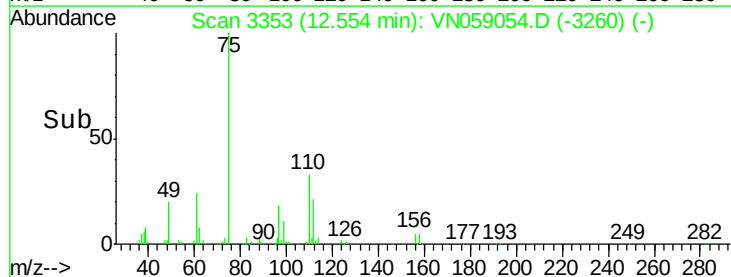
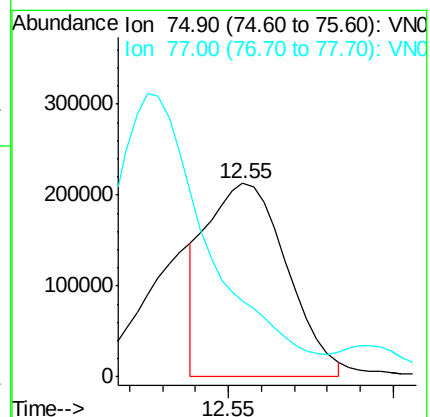
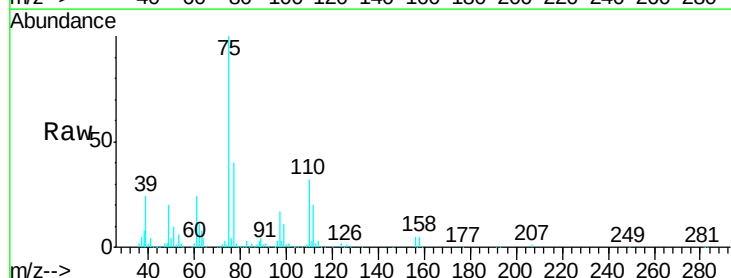
Lab File: VN059054.D

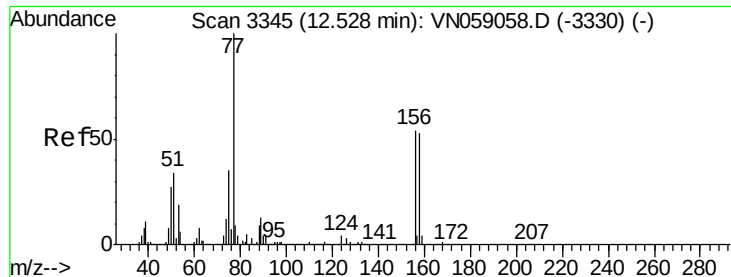
Acq: 1 Nov 2019 11:31

Tgt Ion: 75 Resp: 360990
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 39.225 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

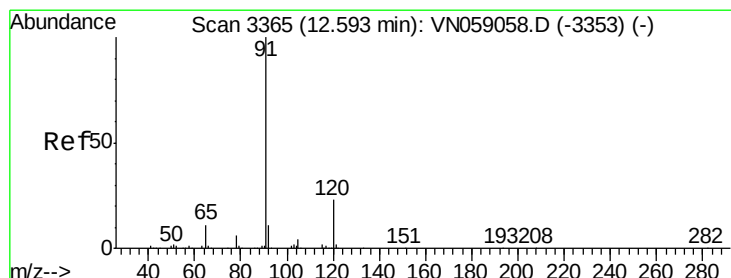
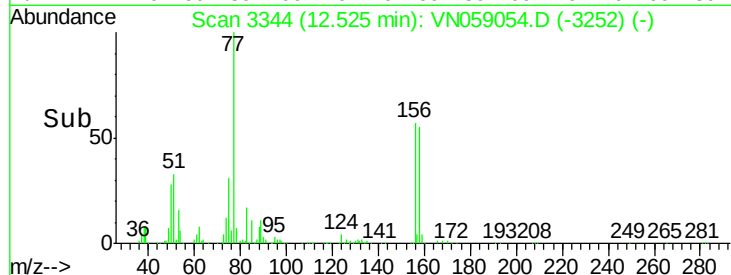
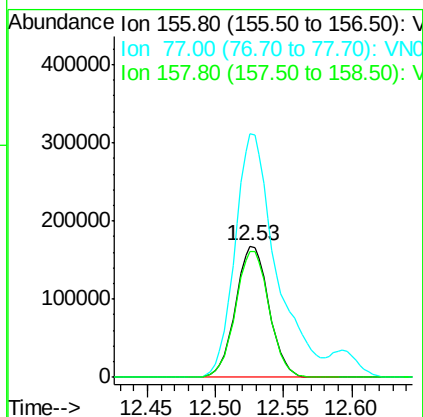
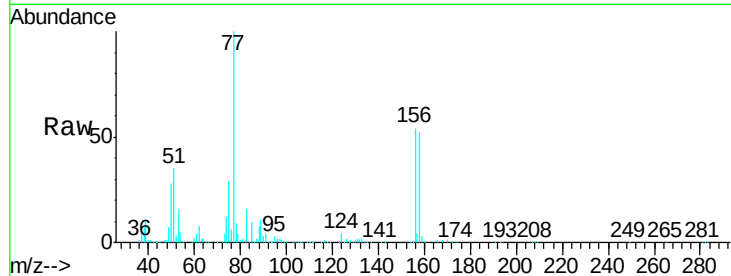
ClientSampleId :

VSTDICCC050

Tgt Ion:	156	Resp:	285270
Ion Ratio	Lower	Upper	
156	100		
77	228.5	114.2	342.6
158	97.0	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 40.717 ug/l

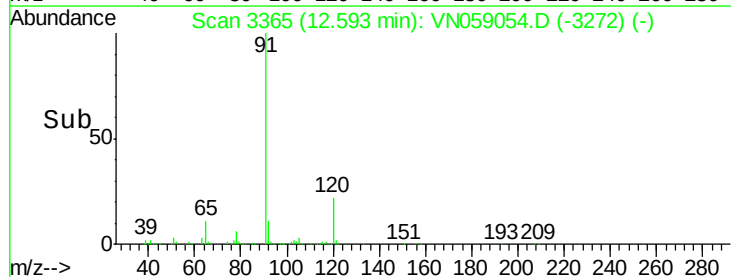
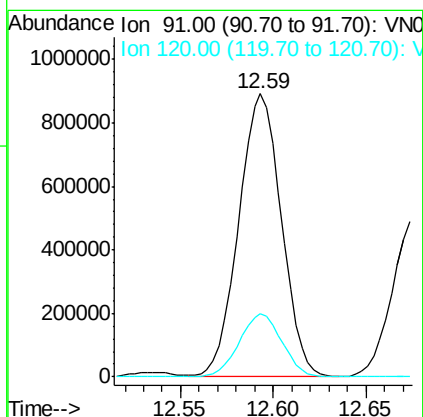
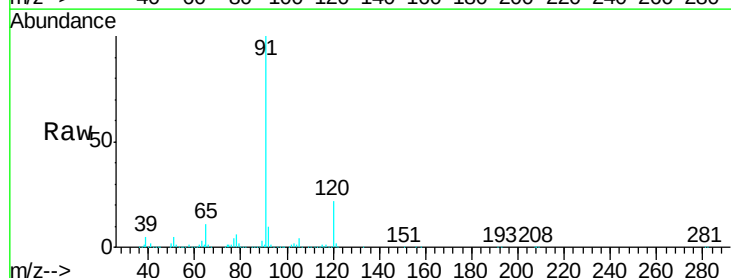
RT: 12.59 min Scan# 3365

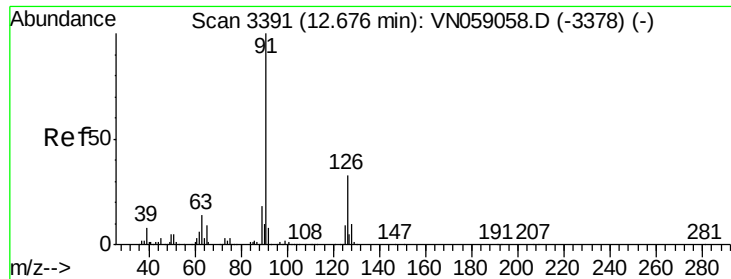
Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Tgt Ion:	91	Resp:	1416325
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 39.268 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tgt Ion: 91 Resp: 837211

Ion Ratio Lower Upper

91 100

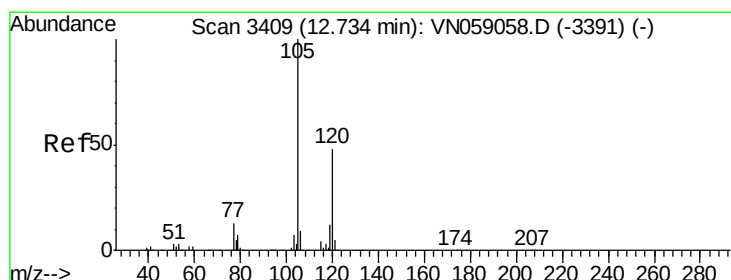
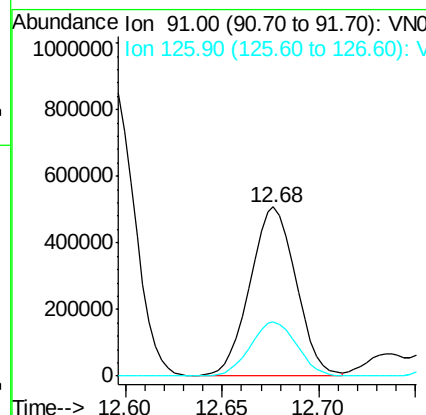
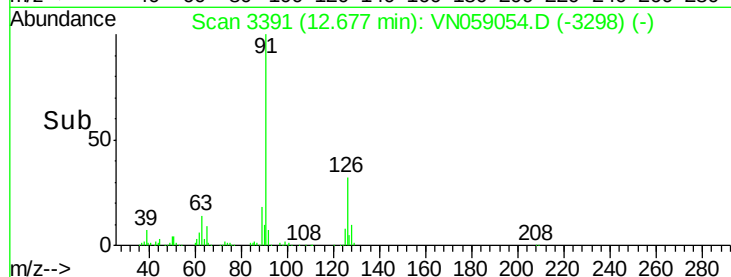
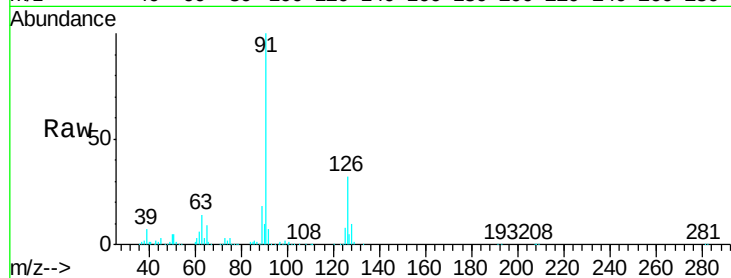
126 32.8 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 41.259 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059054.D

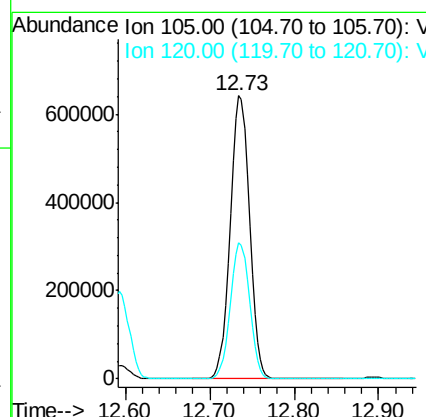
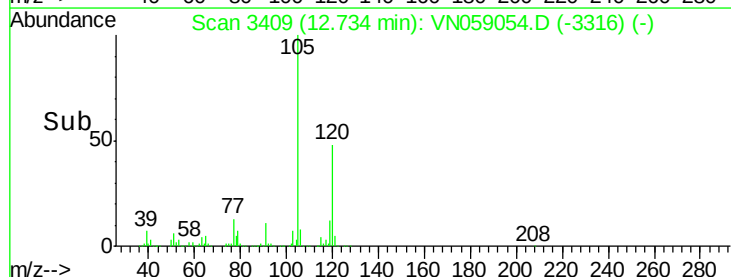
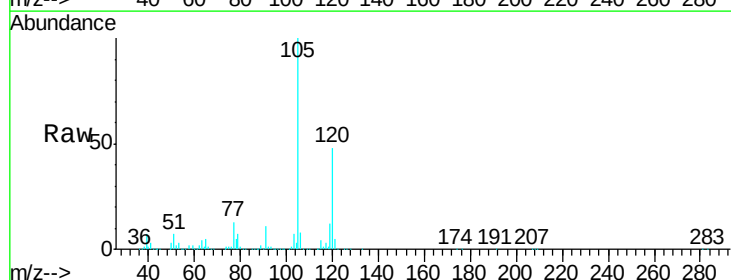
Acq: 1 Nov 2019 11:31

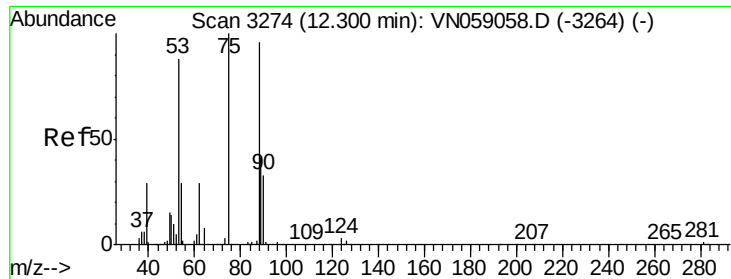
Tgt Ion: 105 Resp: 1017880

Ion Ratio Lower Upper

105 100

120 48.2 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 39.900 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

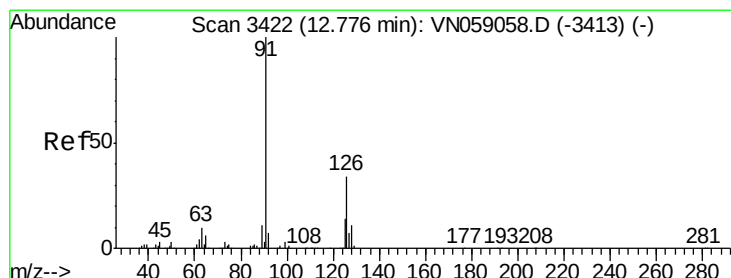
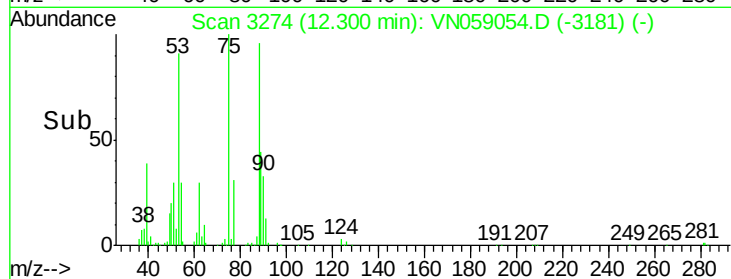
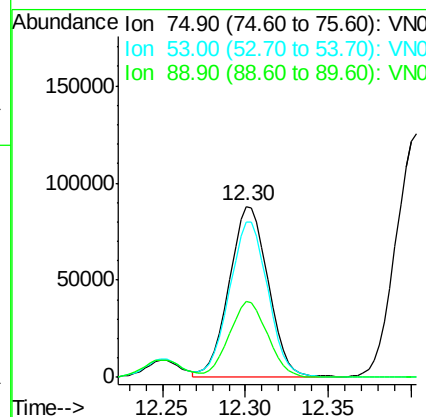
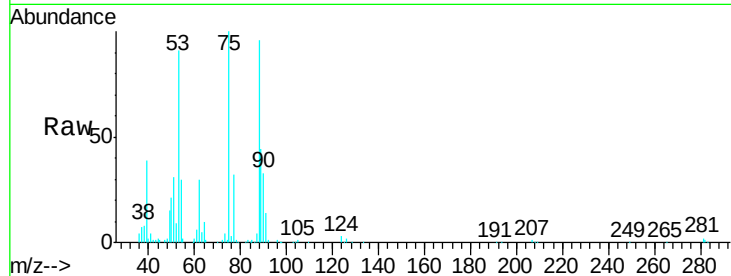
ClientSampleId :

VSTDICCC050

Tgt Ion:	75	Resp:	144154
Ion	Ratio	Lower	Upper
75	100		
53	89.3	70.4	105.6
89	44.1	34.2	51.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 39.759 ug/l

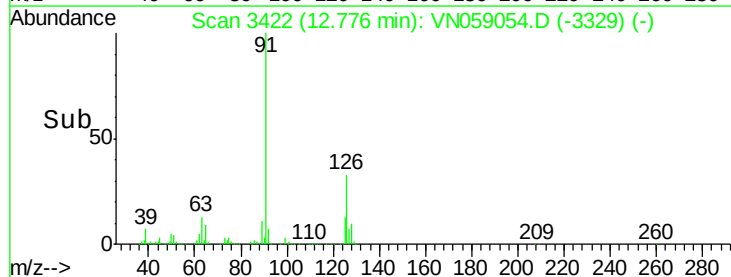
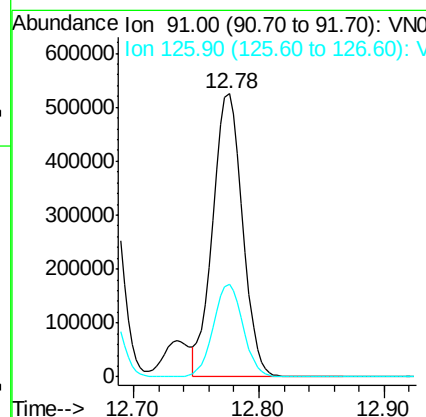
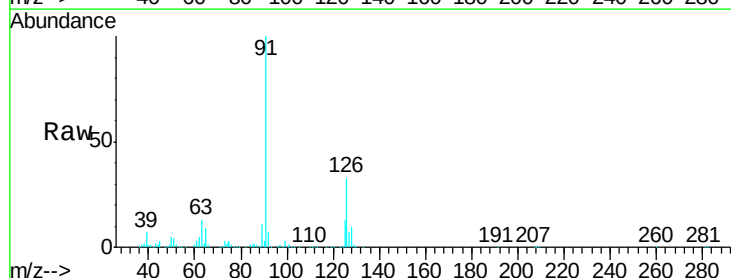
RT: 12.78 min Scan# 3422

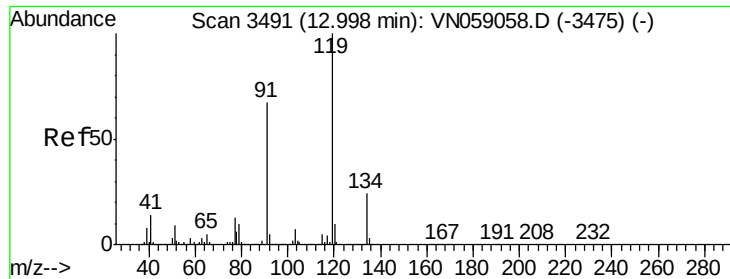
Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Tgt Ion:	91	Resp:	863760
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.0	47.9





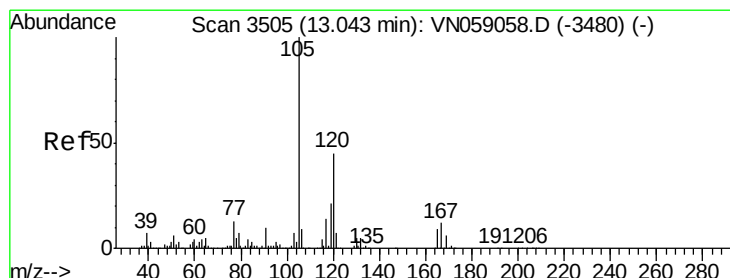
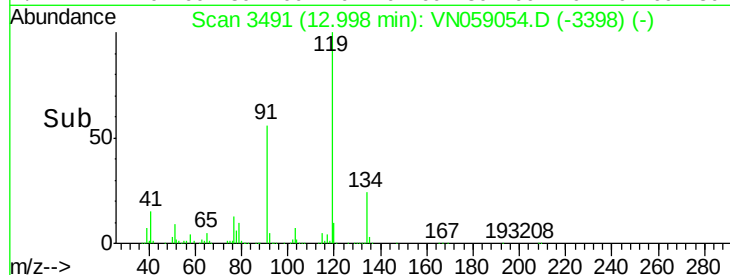
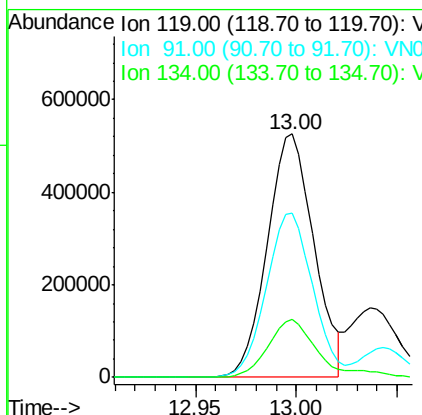
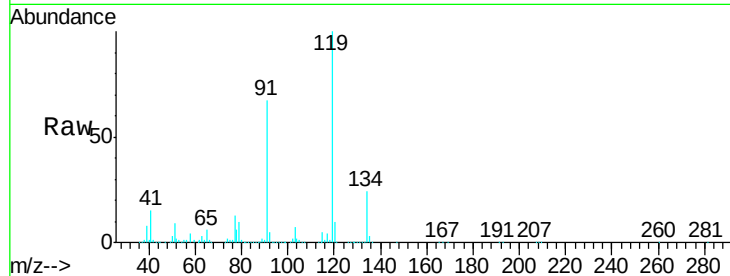
#83
 tert-Butylbenzene
 Concen: 39.961 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	844280		
91	66.9	33.7	101.0	
134	25.6	12.9	38.7	

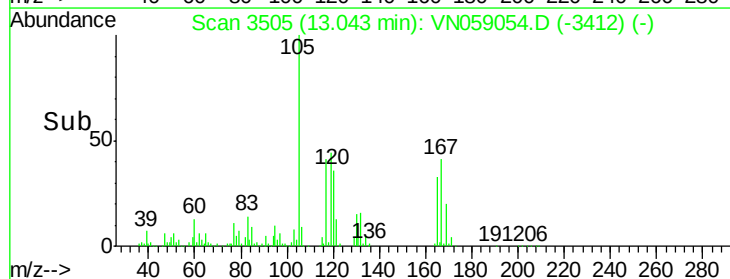
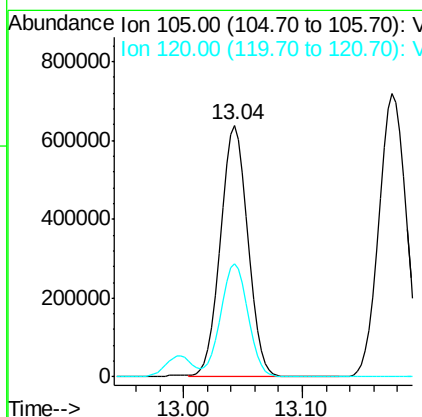
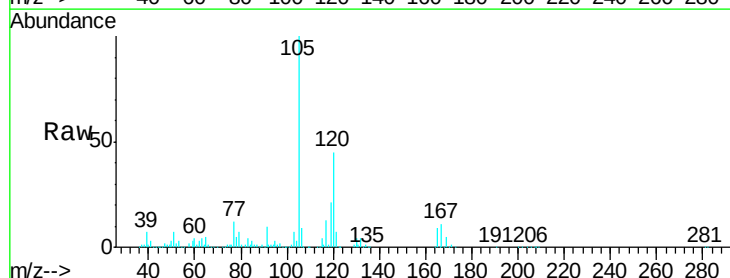
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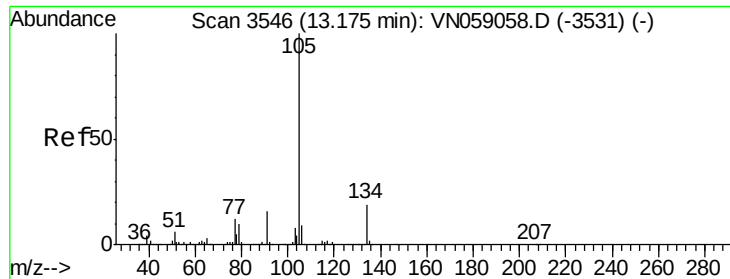
MMDadoda
 11/5/2019 1:58:49 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 41.822 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1016998		
120	45.2	22.3	66.9	





#85

sec-Butylbenzene

Concen: 40.896 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 1149381

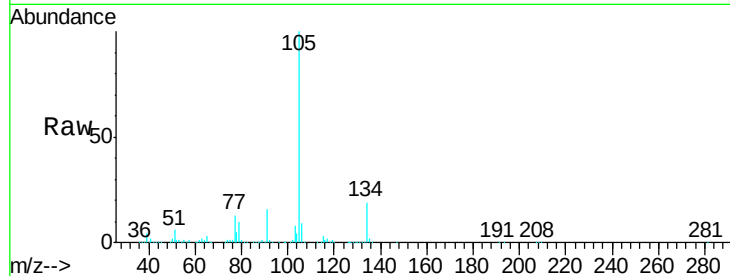
Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.4

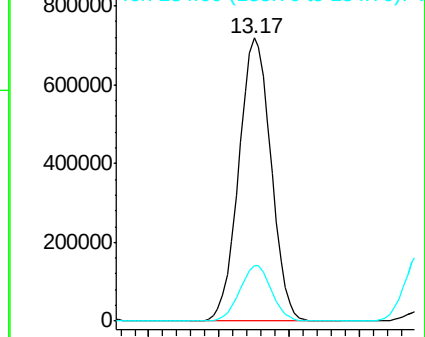
Manual Integrations
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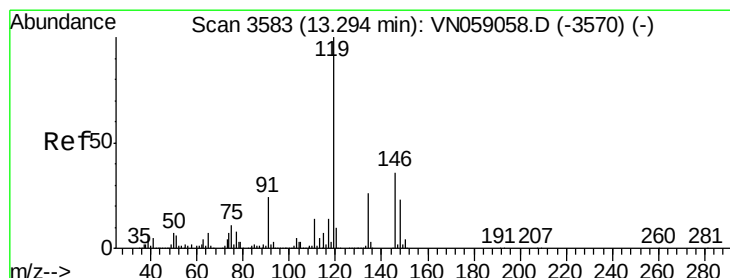
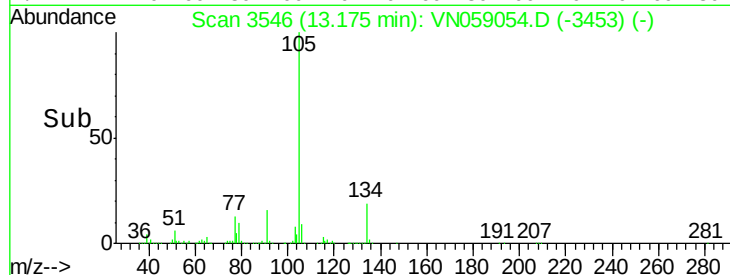


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 42.178 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

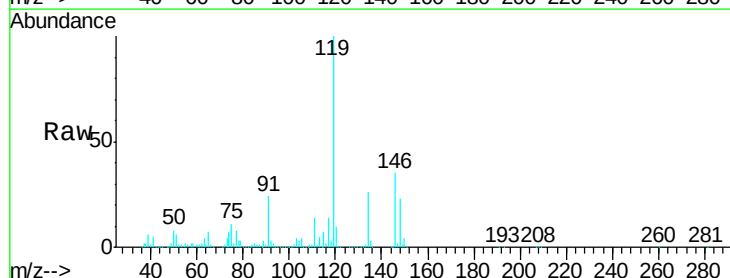
Tgt Ion:119 Resp: 1047570

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

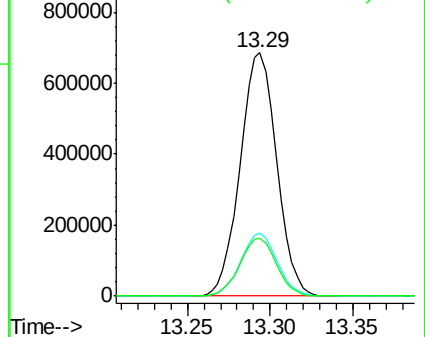
91 23.7 12.0 36.0



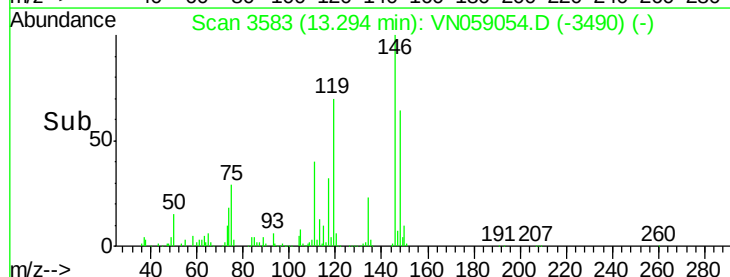
Abundance Ion 119.00 (118.70 to 119.70): V

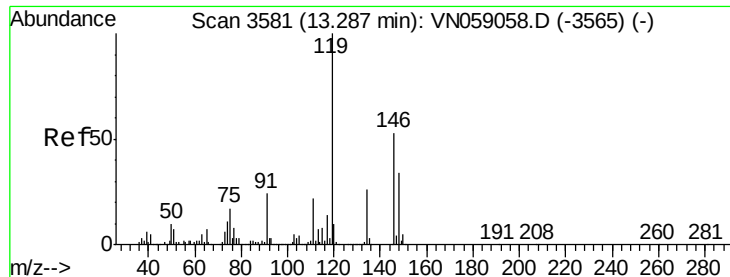
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





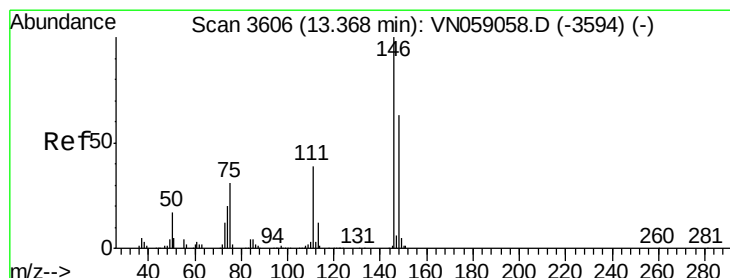
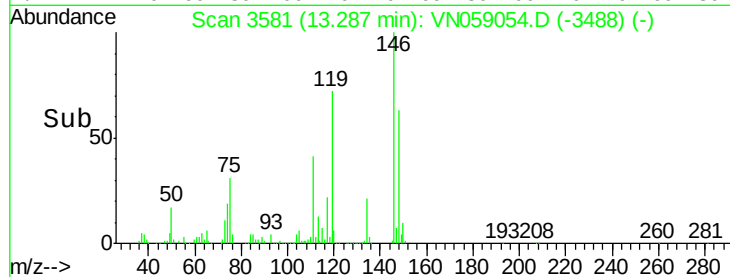
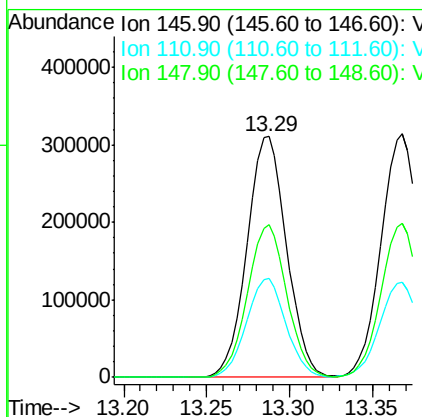
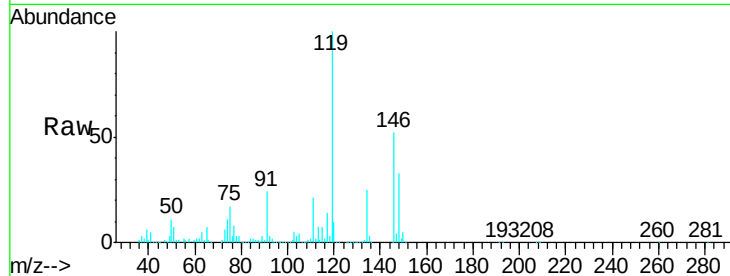
#87
 1,3-Dichlorobenzene
 Concen: 39.661 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	63.3	31.8	95.3

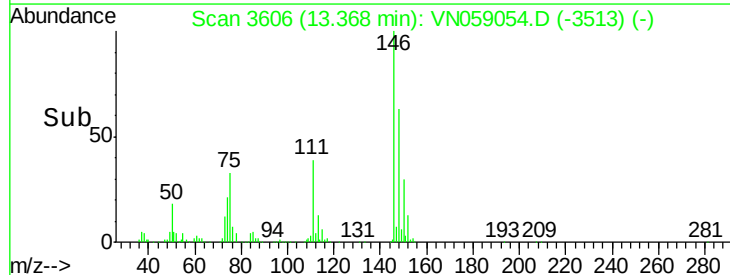
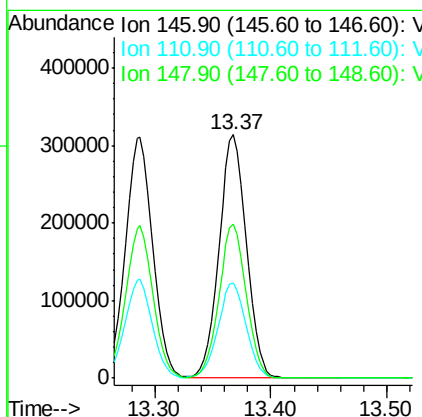
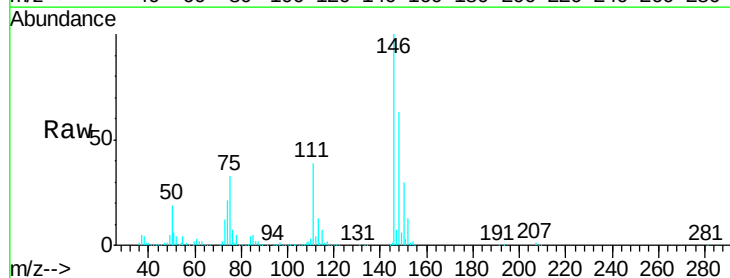
Manual Integrations
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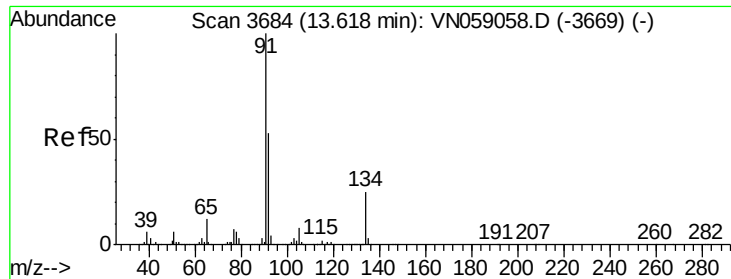
MMDadoda
 11/5/2019 1:58:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 39.778 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	62.6	31.9	95.7





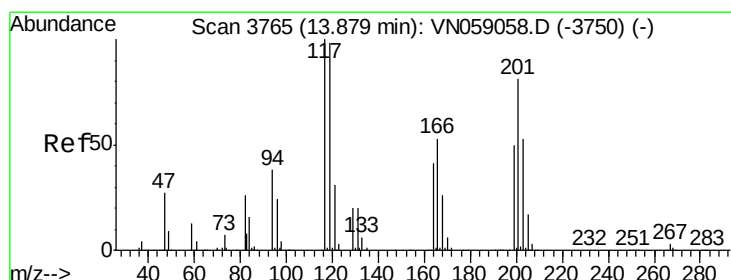
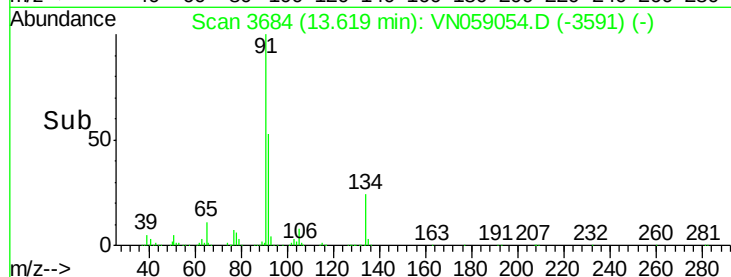
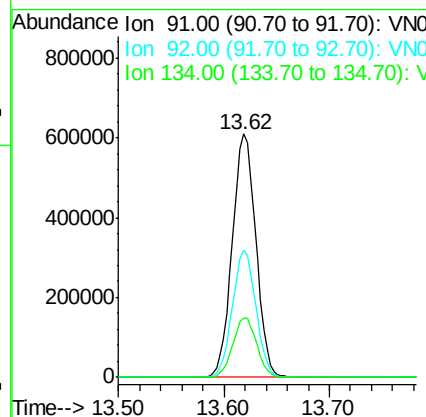
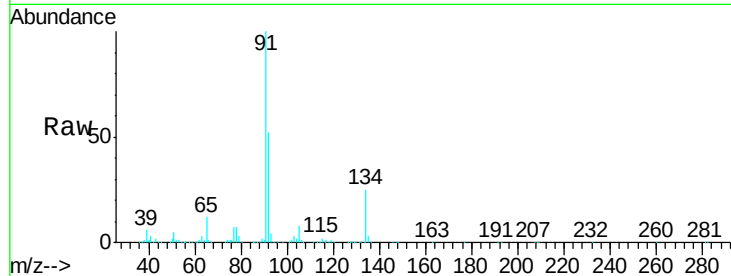
#89
n-Butylbenzene
Concen: 41.672 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.4	79.0
134	24.7	12.5	37.5

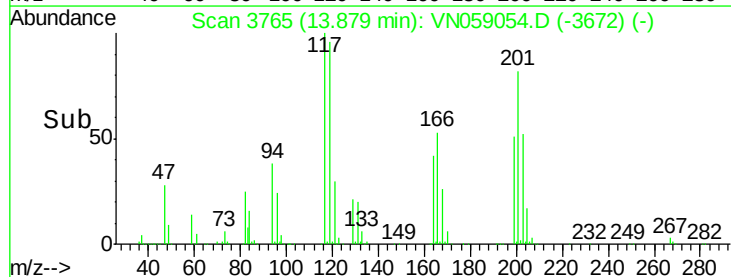
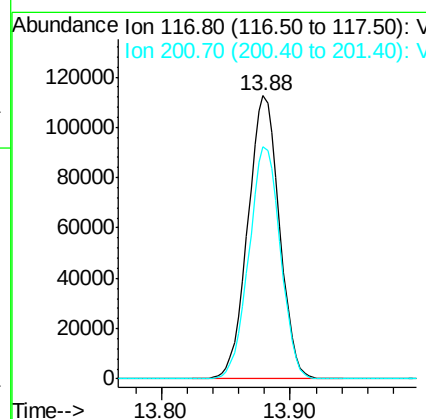
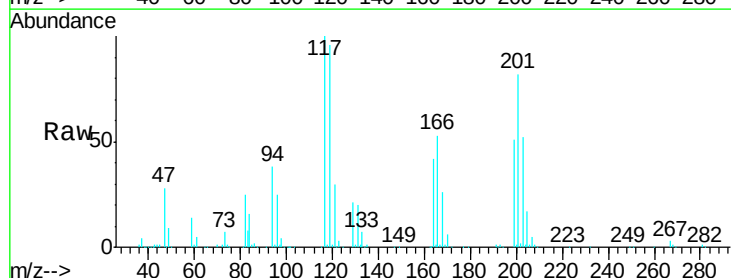
Manual Integrations
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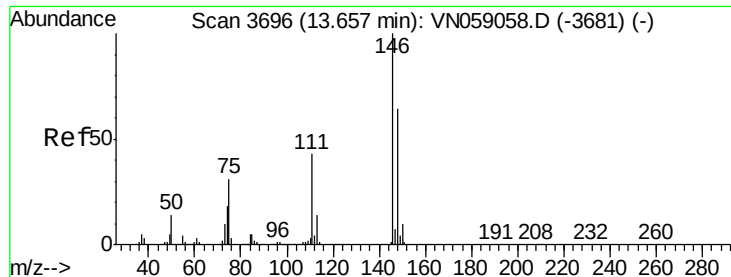
MMDadoda
11/5/2019 1:58:49 PM



#90
Hexachloroethane
Concen: 37.999 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	40.7	122.1





#91

1,2-Dichlorobenzene

Concen: 39.573 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Instrument :

MSVOA_N

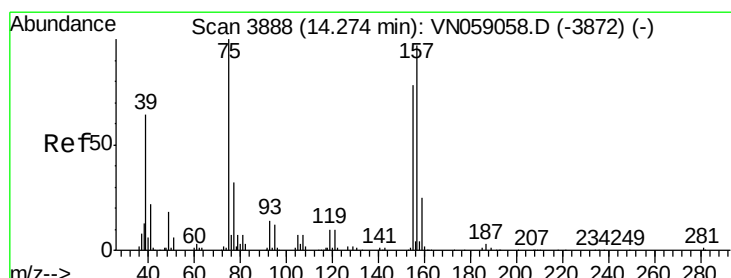
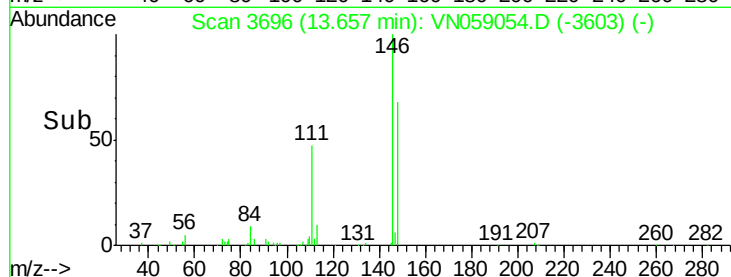
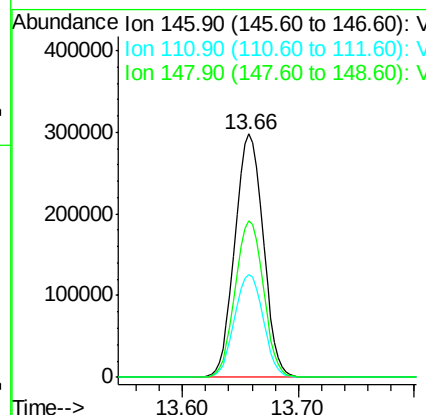
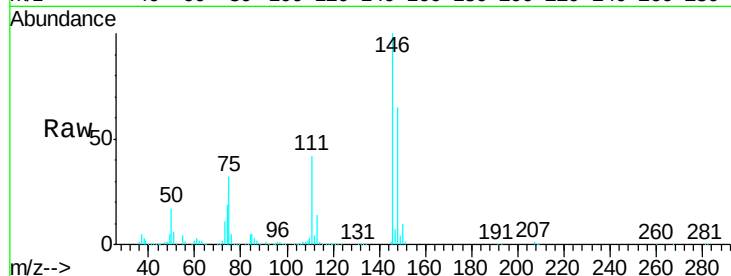
ClientSampleId :

VSTDICCC050

Tgt Ion:	146	Resp:	503448
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.2	63.6
148	64.3	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 36.641 ug/l

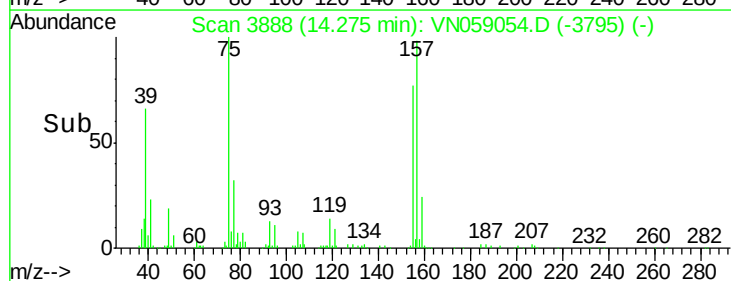
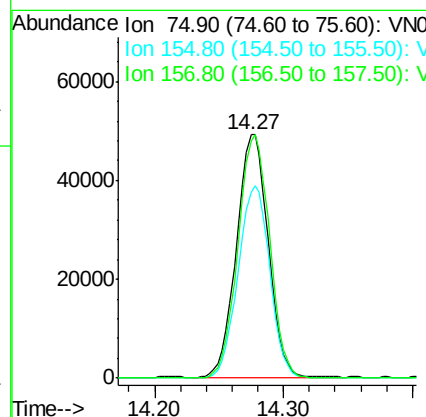
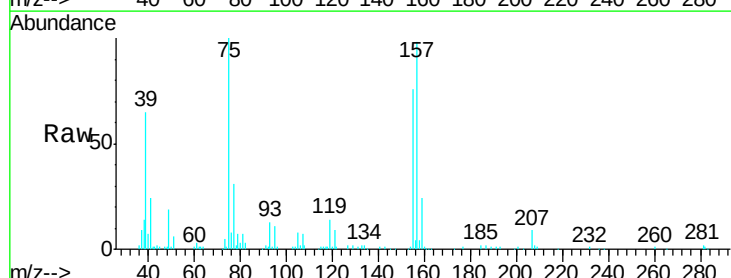
RT: 14.27 min Scan# 3888

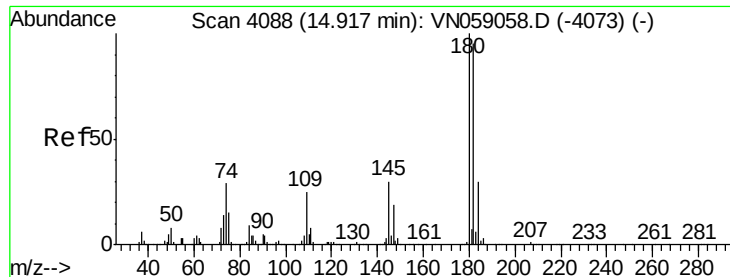
Delta R.T. 0.00 min

Lab File: VN059054.D

Acq: 1 Nov 2019 11:31

Tgt Ion:	75	Resp:	84849
Ion Ratio	Lower	Upper	
75	100		
155	78.0	39.7	119.1
157	98.9	51.0	153.0





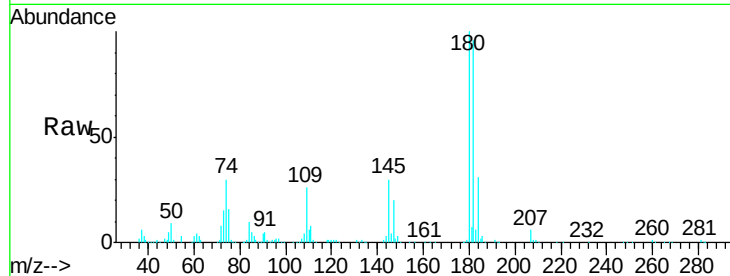
#93
 1,2,4-Trichlorobenzene
 Concen: 42.980 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	300131		
182	96.8	47.8	143.4	
145	30.4	15.1	45.3	

Manual Integrations
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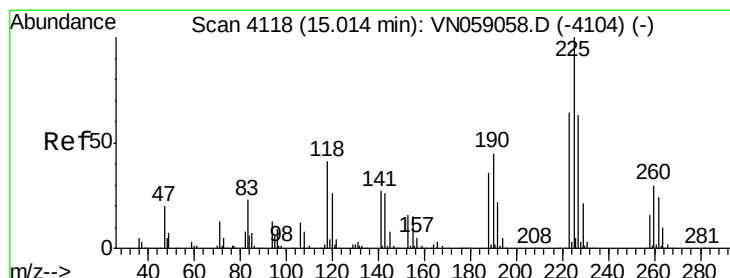
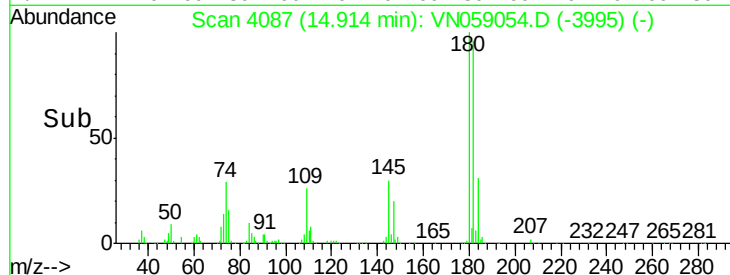
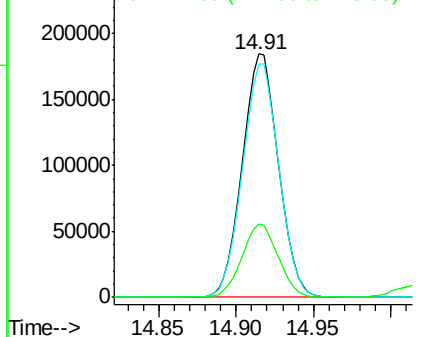


Abundance

Ion 179.80 (179.50 to 180.50): V

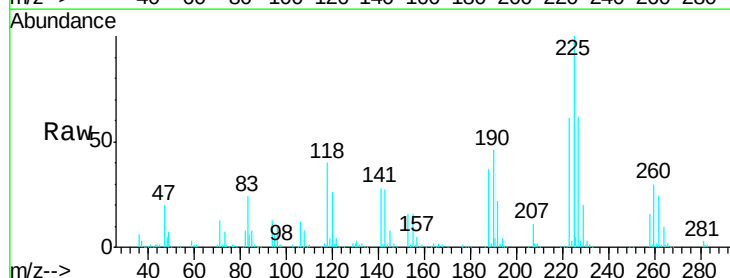
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 39.614 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059054.D
 Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164183		
223	62.4	31.6	95.0	
227	62.6	31.9	95.7	

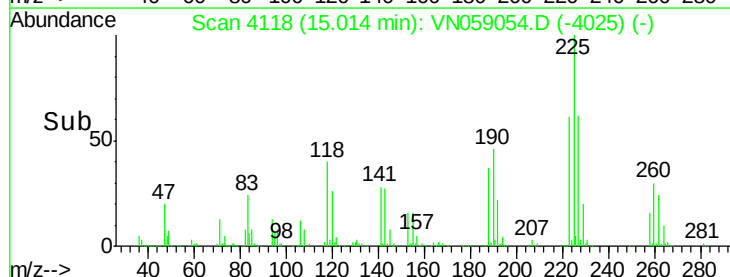
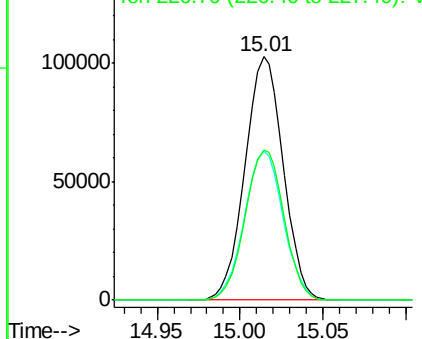


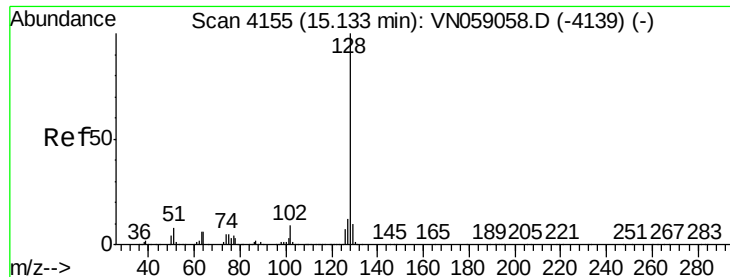
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





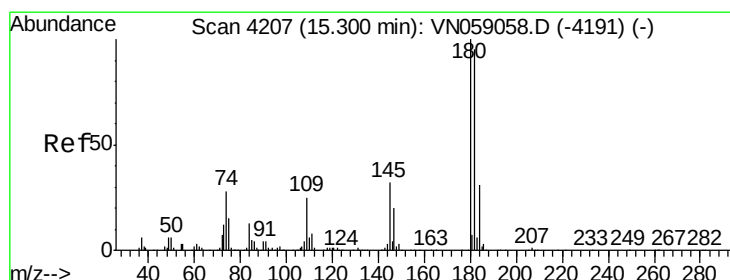
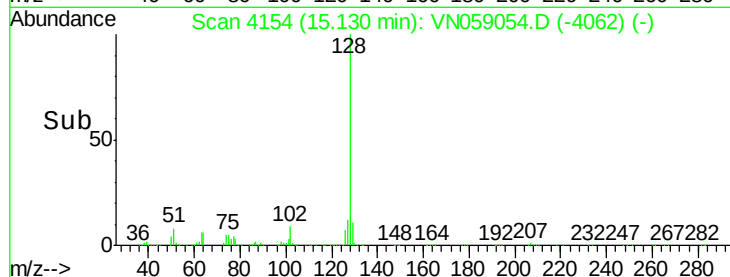
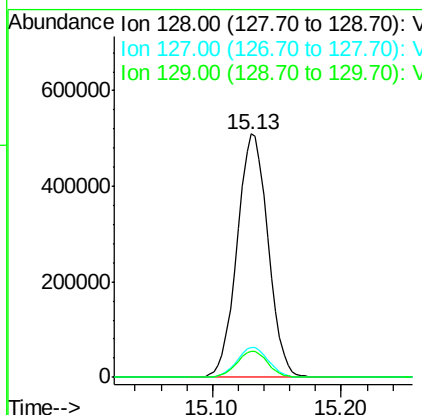
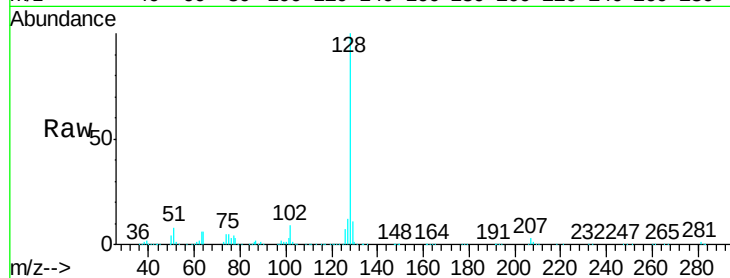
#95
Naphthalene
Concen: 43.876 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.6	9.9	14.9
129	10.7	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 43.560 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059054.D
Acq: 1 Nov 2019 11:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.6	47.7	143.1
145	31.8	16.0	48.0

