

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059305.D
 Acq On : 19 Nov 2019 14:15
 Operator : JC/SP
 Sample : VN1119WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:37:17 PM

Quant Time: Nov 20 02:33:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	420055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	654767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	580204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	209027	40.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.96%	
35) Dibromofluoromethane	7.57	113	171575	43.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.78%	
50) Toluene-d8	10.08	98	633679	41.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.30%	
62) 4-Bromofluorobenzene	12.40	95	232332	41.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88424	20.893	ug/l	98
3) Chloromethane	2.04	50	100779	17.518	ug/l	99
4) Vinyl Chloride	2.17	62	105482	18.911	ug/l	98
5) Bromomethane	2.54	94	59192	18.441	ug/l	99
6) Chloroethane	2.68	64	54805	16.610	ug/l	99
7) Trichlorofluoromethane	3.00	101	105100	15.754	ug/l	99
8) Diethyl Ether	3.39	74	44453	16.398	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	65887	16.380	ug/l	99
10) Methyl Iodide	3.93	142	74400	14.943	ug/l	98
11) Tert butyl alcohol	4.75	59	77260	78.511	ug/l	98
12) 1,1-Dichloroethene	3.71	96	65236	16.648	ug/l	96
13) Acrolein	3.58	56	28620	56.409	ug/l	98
14) Allyl chloride	4.29	41	124099	15.418	ug/l	97
15) Acrylonitrile	4.95	53	193259	78.914	ug/l	98
16) Acetone	3.79	43	185630	69.132	ug/l	100
17) Carbon Disulfide	4.03	76	211155	17.359	ug/l	99
18) Methyl Acetate	4.30	43	111352	17.471	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	217675	16.135	ug/l	99
20) Methylene Chloride	4.53	84	75669	16.176	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	71066	16.896	ug/l	96
22) Diisopropyl ether	5.92	45	235504	15.490	ug/l	96
23) Vinyl Acetate	5.87	43	930732	78.990	ug/l	100
24) 1,1-Dichloroethane	5.82	63	134040	15.785	ug/l	97
25) 2-Butanone	6.81	43	258119	72.938	ug/l	97
26) 2,2-Dichloropropane	6.80	77	111888	15.069	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	78598	16.107	ug/l	99
28) Bromochloromethane	7.17	49	35783	14.007	ug/l	95
29) Tetrahydrofuran	7.19	42	178033	79.175	ug/l	99
30) Chloroform	7.35	83	130304	15.997	ug/l	98
31) Cyclohexane	7.63	56	129680	16.132	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	108962	15.910	ug/l	99
36) 1,1-Dichloropropene	7.77	75	99162	16.202	ug/l	99
37) Ethyl Acetate	6.91	43	104654	15.371	ug/l	99
38) Carbon Tetrachloride	7.75	117	95346	15.652	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059305.D
 Acq On : 19 Nov 2019 14:15
 Operator : JC/SP
 Sample : VN1119WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:37:17 PM

Quant Time: Nov 20 02:33:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	121680	17.131	ug/l	97
40) Benzene	8.02	78	299929	16.274	ug/l	100
41) Methacrylonitrile	7.16	41	45978m	15.530	ug/l	
42) 1,2-Dichloroethane	8.10	62	101748	16.097	ug/l	100
43) Isopropyl Acetate	8.15	43	159931	14.734	ug/l	98
44) Trichloroethene	8.82	130	74185	16.375	ug/l	99
45) 1,2-Dichloropropane	9.10	63	77904	15.562	ug/l	100
46) Dibromomethane	9.19	93	48735	15.623	ug/l	97
47) Bromodichloromethane	9.39	83	96270	15.455	ug/l	97
48) Methyl methacrylate	9.18	41	72465	14.925	ug/l	98
49) 1,4-Dioxane	9.19	88	27502	318.740	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	502658	81.843	ug/l	100
52) Toluene	10.15	92	181159	16.400	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	111153	15.445	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	121550	15.702	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	69838	15.622	ug/l	99
56) Ethyl methacrylate	10.42	69	101205	14.938	ug/l	99
57) 1,3-Dichloropropane	10.70	76	122734	15.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	140589	56.507	ug/l	99
59) 2-Hexanone	10.74	43	367166	77.887	ug/l	99
60) Dibromochloromethane	10.90	129	71786	15.187	ug/l	99
61) 1,2-Dibromoethane	11.00	107	72677	16.059	ug/l	99
64) Tetrachloroethene	10.63	164	65290	16.549	ug/l	98
65) Chlorobenzene	11.43	112	187252	16.556	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	67816	15.984	ug/l	98
67) Ethyl Benzene	11.51	91	336554	16.771	ug/l	99
68) m/p-Xylenes	11.62	106	250520	33.327	ug/l	98
69) o-Xylene	11.95	106	119805	16.492	ug/l	99
70) Styrene	11.96	104	184726	16.169	ug/l	99
71) Bromoform	12.12	173	51486	15.601	ug/l #	99
73) Isopropylbenzene	12.25	105	319147	16.789	ug/l	100
74) N-amyl acetate	12.07	43	121225	15.050	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	104195	16.095	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	95135m	15.990	ug/l	
77) Bromobenzene	12.53	156	76835	16.088	ug/l	98
78) n-propylbenzene	12.59	91	362615	16.660	ug/l	99
79) 2-Chlorotoluene	12.68	91	218616	16.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	267026	16.578	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34514	15.322	ug/l	95
82) 4-Chlorotoluene	12.77	91	223498	16.503	ug/l	100
83) tert-Butylbenzene	12.99	119	227939	16.386	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	260203	16.697	ug/l	99
85) sec-Butylbenzene	13.17	105	302316	16.711	ug/l	100
86) p-Isopropyltoluene	13.29	119	265514	16.622	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	132982	16.260	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	130375	15.933	ug/l	100
89) n-Butylbenzene	13.62	91	226805	16.223	ug/l	100
90) Hexachloroethane	13.88	117	49072	15.299	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	129752	16.128	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20613	15.978	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
Data File : VN059305.D
Acq On : 19 Nov 2019 14:15
Operator : JC/SP
Sample : VN1119WBS03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM

Quant Time: Nov 20 02:33:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68843	16.291	ug/l	99
94) Hexachlorobutadiene	15.01	225	46990	16.939	ug/l	99
95) Naphthalene	15.13	128	185186	15.887	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	68803	15.260	ug/l	99

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

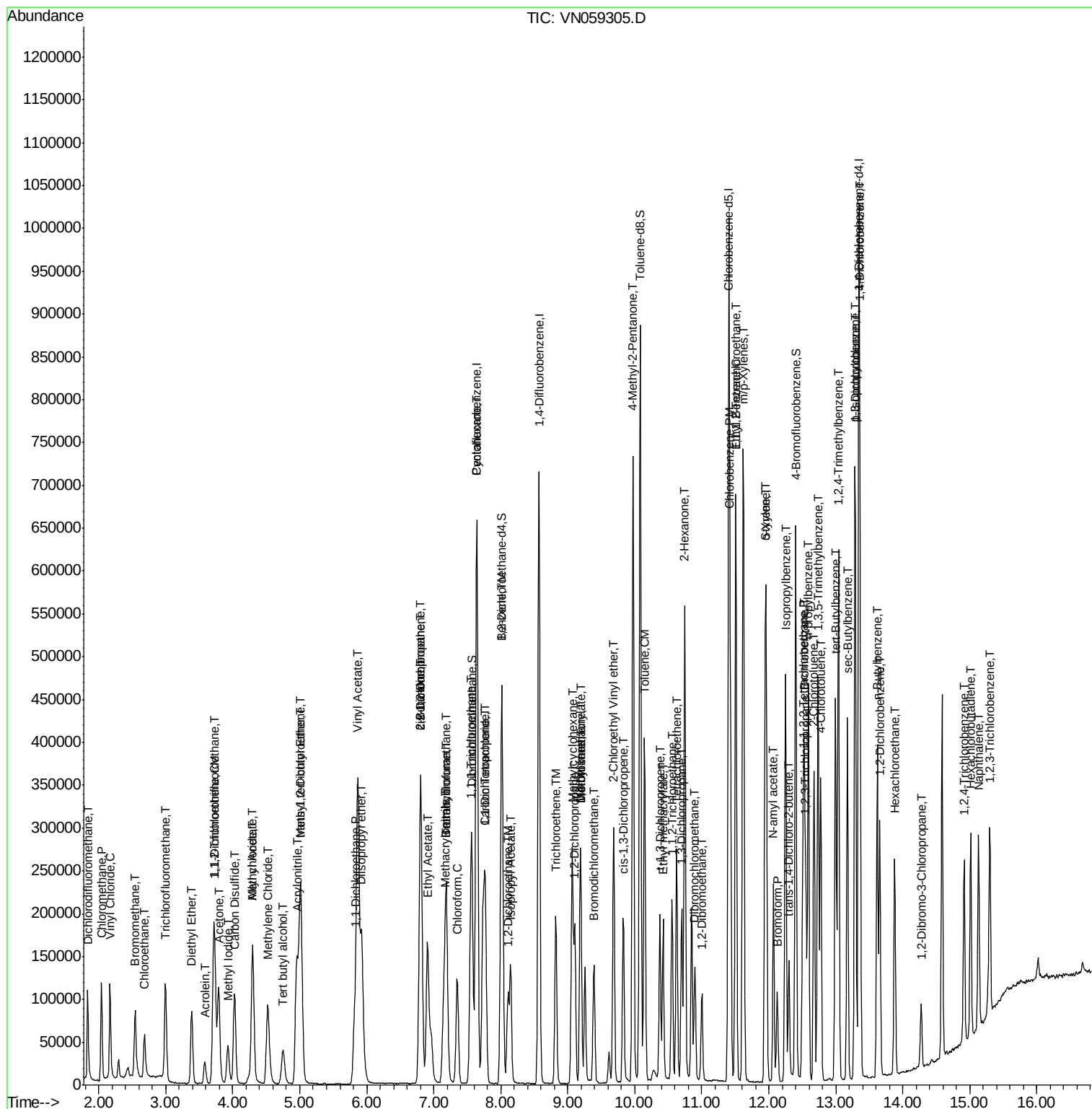
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111919\
Data File : VN059305.D
Acq On : 19 Nov 2019 14:15
Operator : JC/SP
Sample : VN1119WBS03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

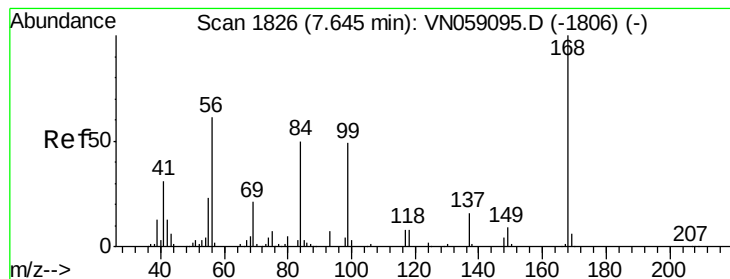
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM

Quant Time: Nov 20 02:33:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion:168 Resp: 420055

Ion Ratio Lower Upper

168 100

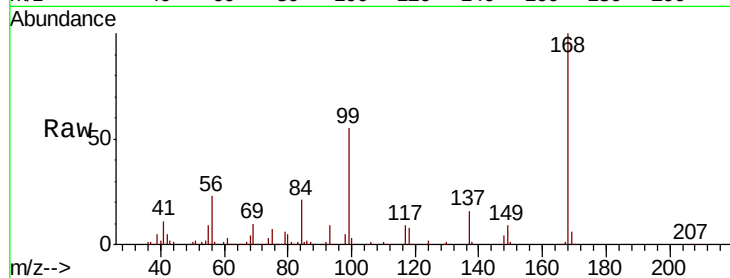
99 55.1 45.7 68.5

Manual Integrations

APPROVED

MMDadoda

11/20/2019 1:37:17 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

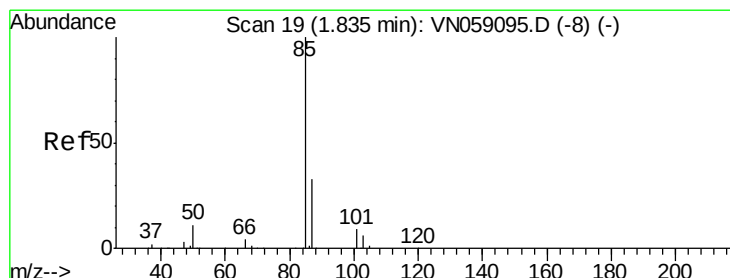
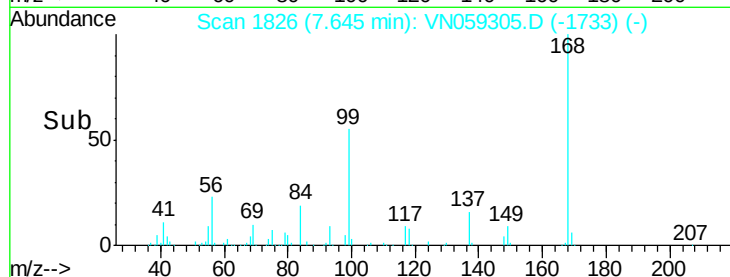
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 20.893 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059305.D

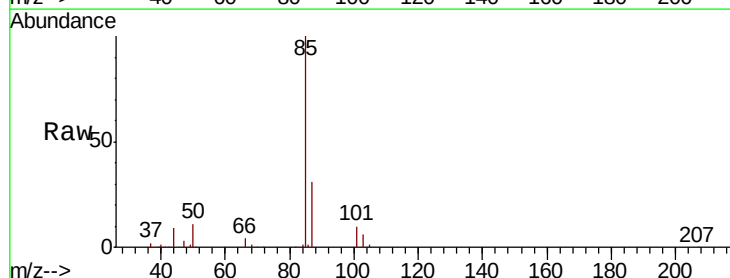
Acq: 19 Nov 2019 14:15

Tgt Ion: 85 Resp: 88424

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

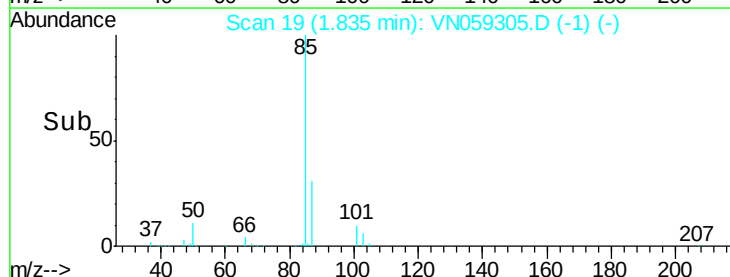
60000

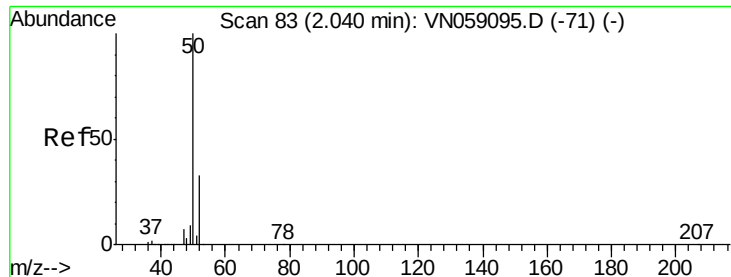
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 17.518 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion: 50 Resp: 100779

Ion Ratio Lower Upper

50 100

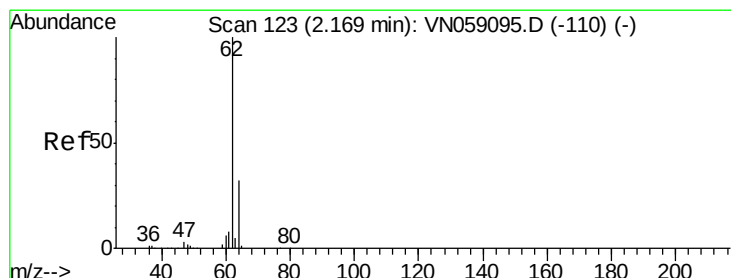
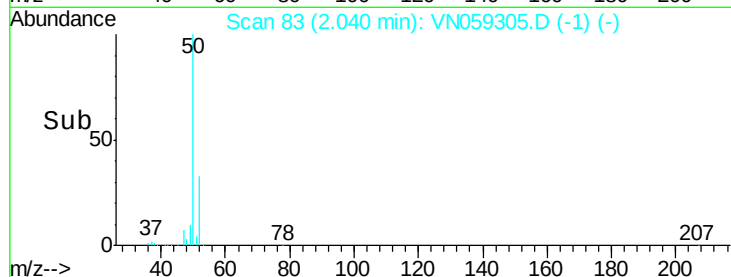
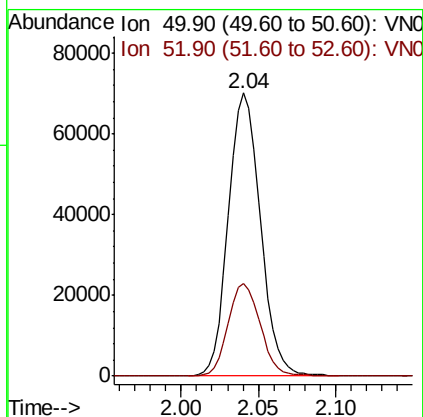
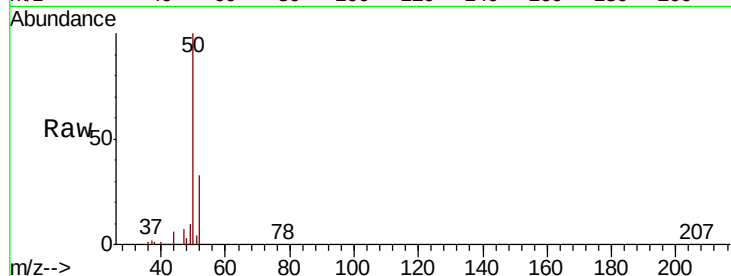
52 32.8 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

11/20/2019 1:37:17 PM



#4

Vinyl Chloride

Concen: 18.911 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059305.D

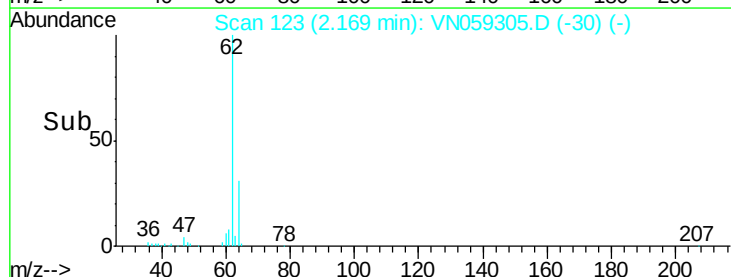
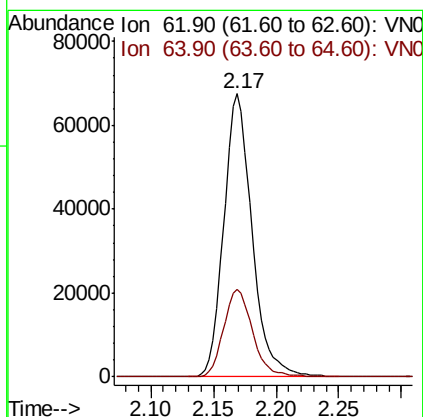
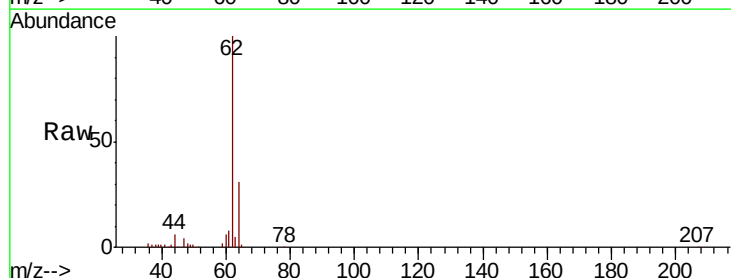
Acq: 19 Nov 2019 14:15

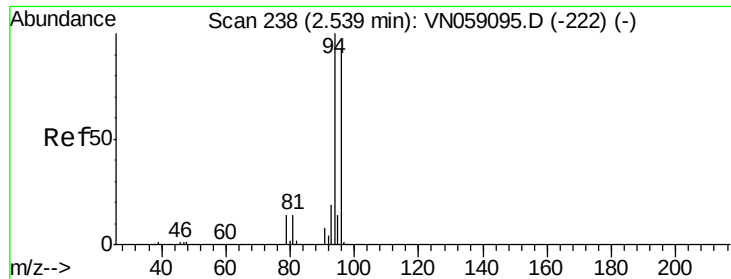
Tgt Ion: 62 Resp: 105482

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.2





#5

Bromomethane

Concen: 18.441 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion: 94 Resp: 59192

Ion Ratio Lower Upper

94 100

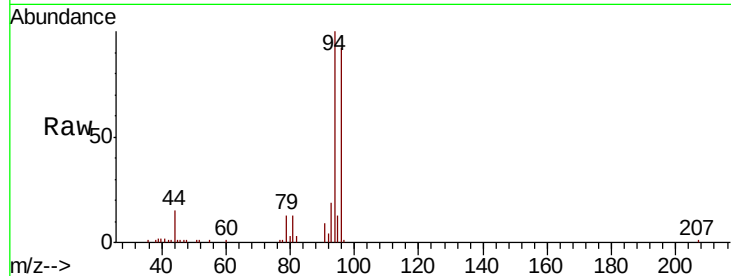
96 91.9 74.2 111.2

Manual Integrations

APPROVED

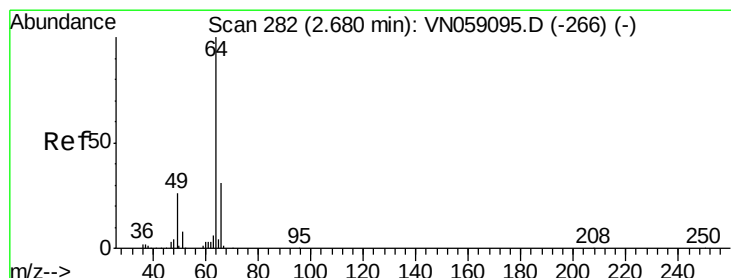
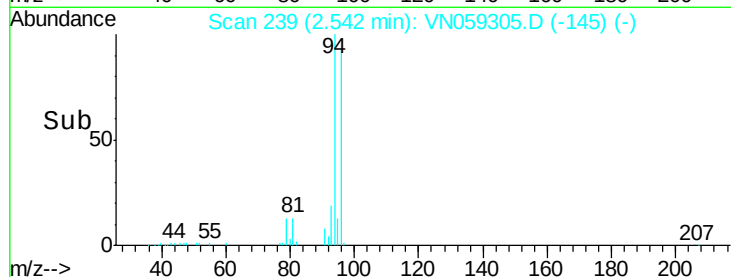
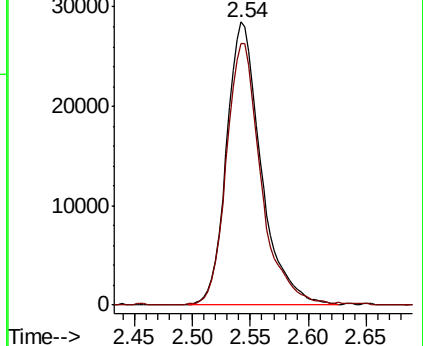
MMDadoda

11/20/2019 1:37:17 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.610 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059305.D

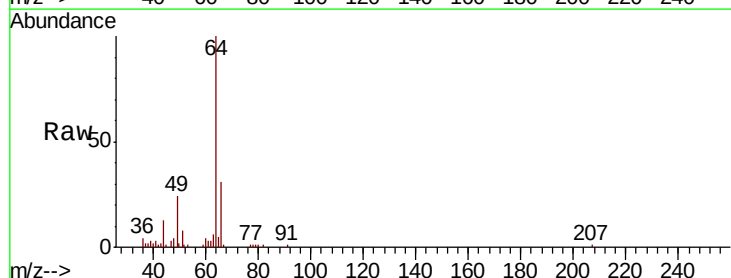
Acq: 19 Nov 2019 14:15

Tgt Ion: 64 Resp: 54805

Ion Ratio Lower Upper

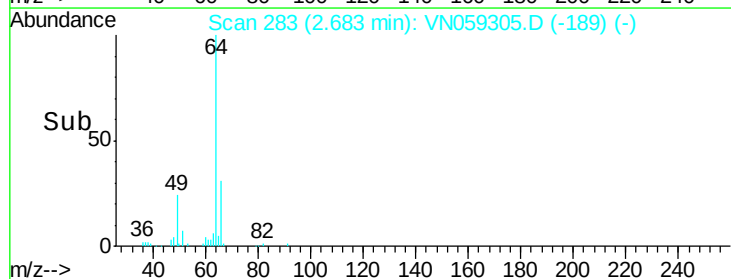
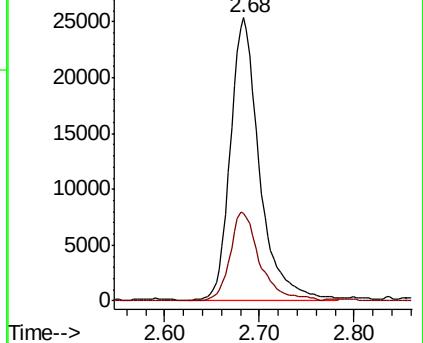
64 100

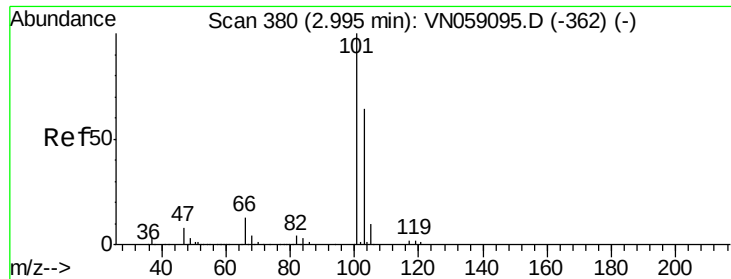
66 31.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

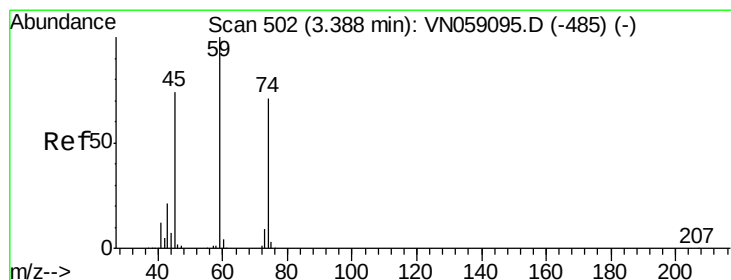
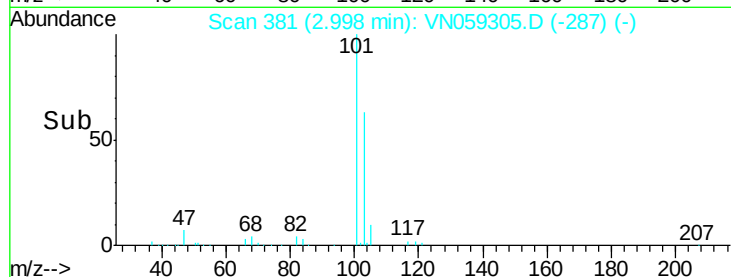
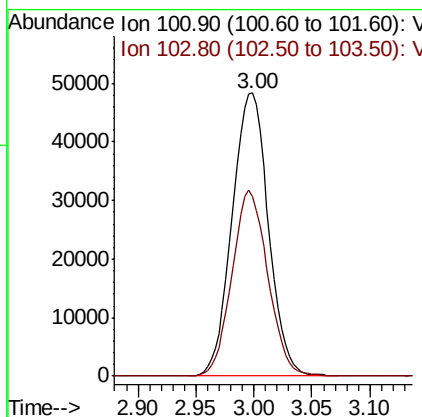
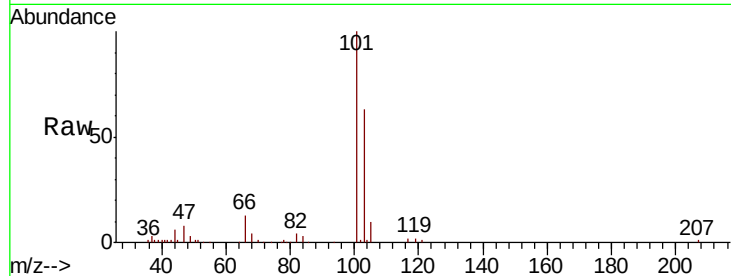
Trichlorofluoromethane
 Concen: 15.754 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		105100		
103	63.4	51.2	76.8		

Manual Integrations
 APPROVED

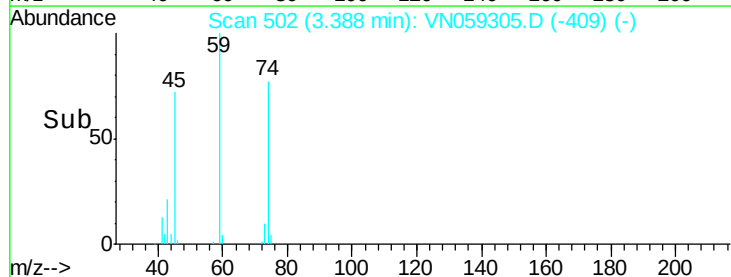
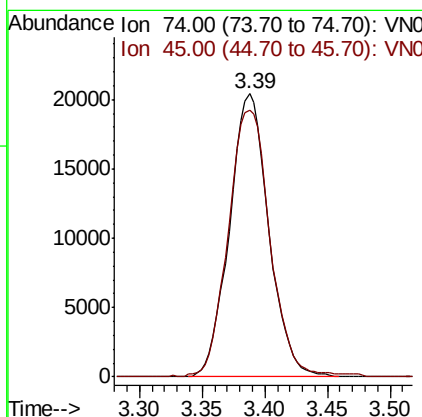
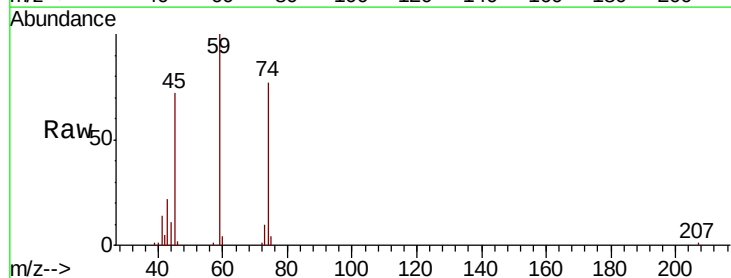
MMDadoda
 11/20/2019 1:37:17 PM

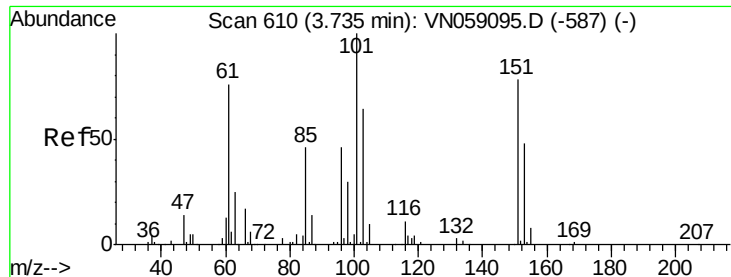


#8

Diethyl Ether
 Concen: 16.398 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		44453		
45	100.3	51.6	154.9		





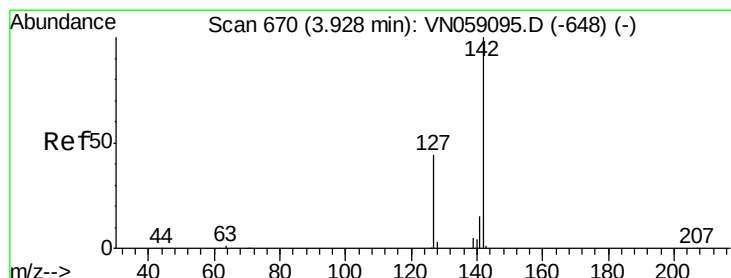
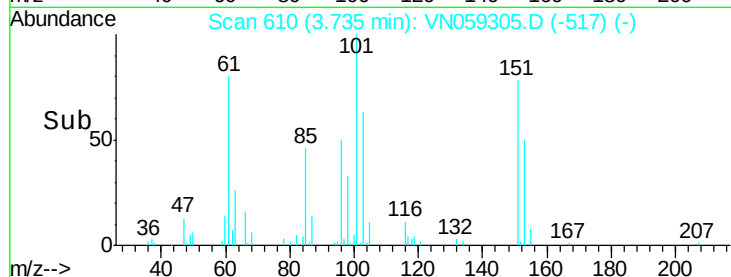
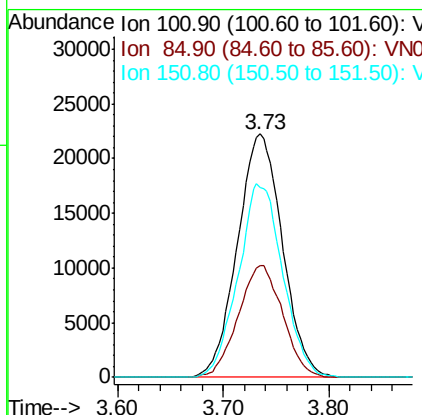
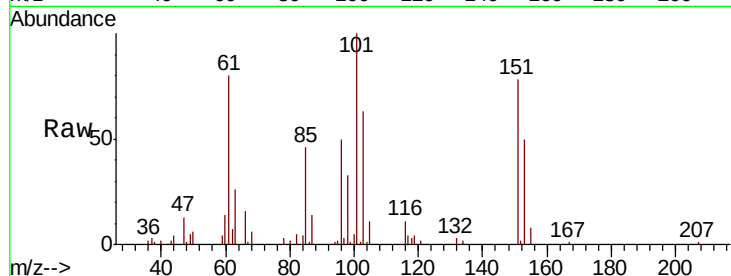
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 16.380 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.4	35.5	53.3
151	78.6	62.2	93.2

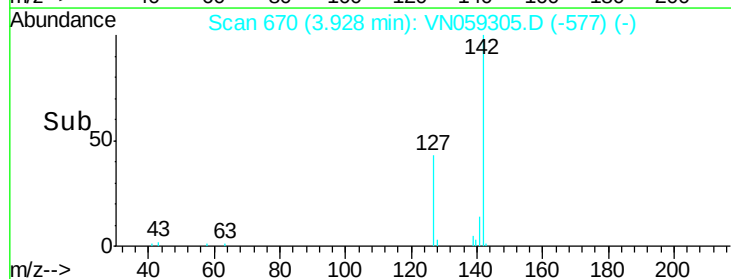
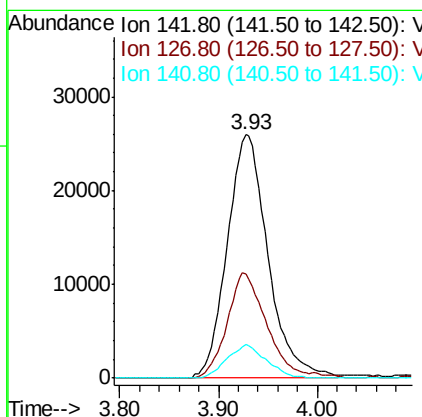
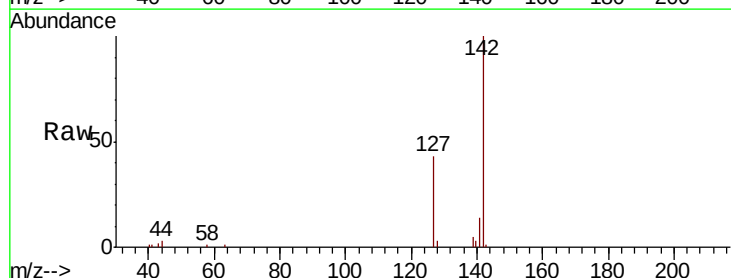
Manual Integrations
 APPROVED

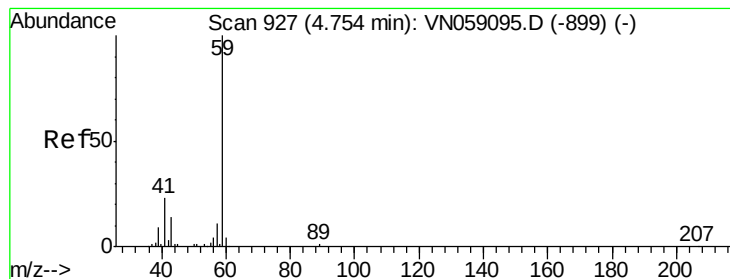
MMDadoda
 11/20/2019 1:37:17 PM



#10
 Methyl Iodide
 Concen: 14.943 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.9	34.2	51.2
141	13.2	11.4	17.0





#11

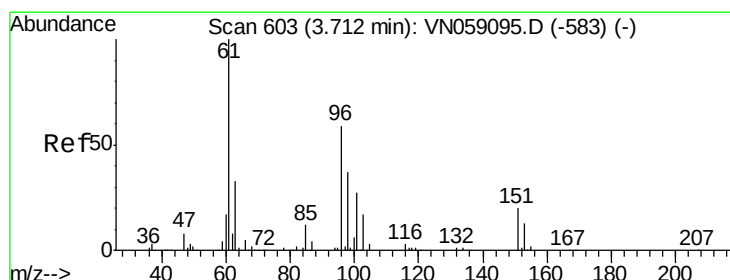
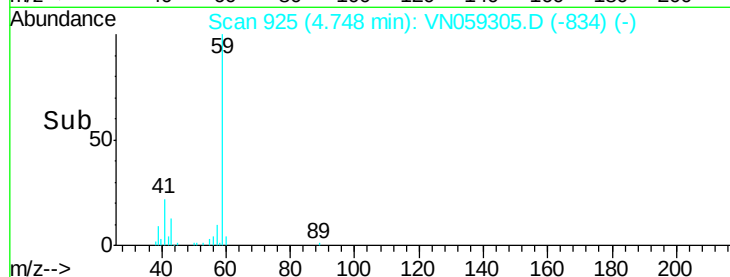
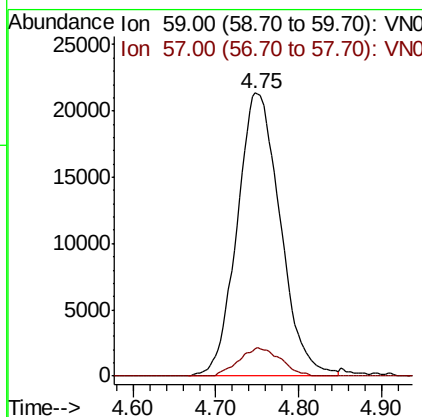
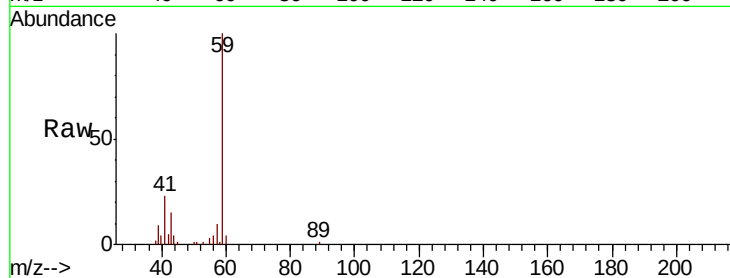
Tert butyl alcohol
Concen: 78.511 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	59	Resp	77260
Ion Ratio	100	Lower	Upper
57	9.7	8.3	12.5

Manual Integrations
APPROVED

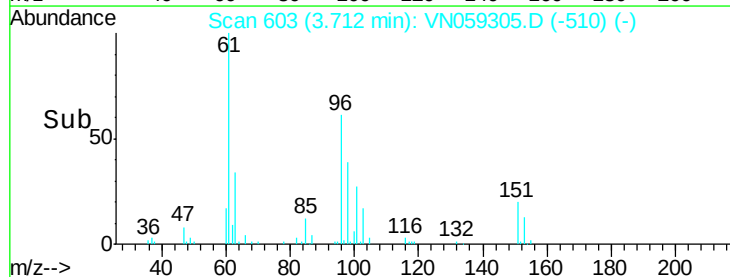
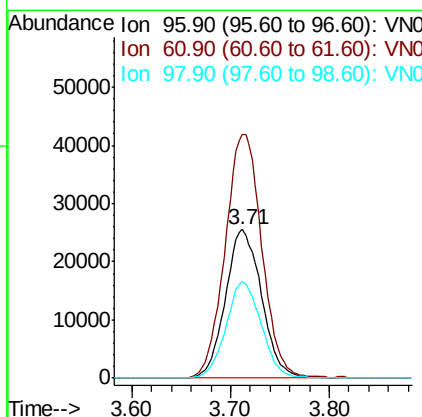
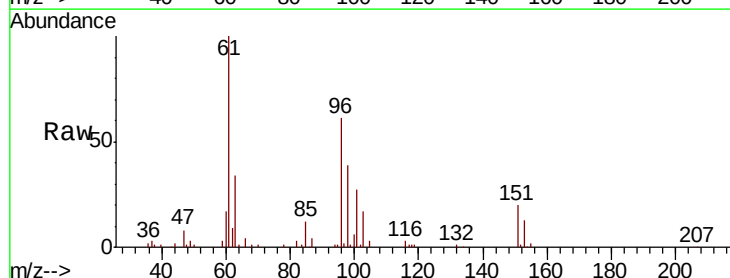
MMDadoda
11/20/2019 1:37:17 PM

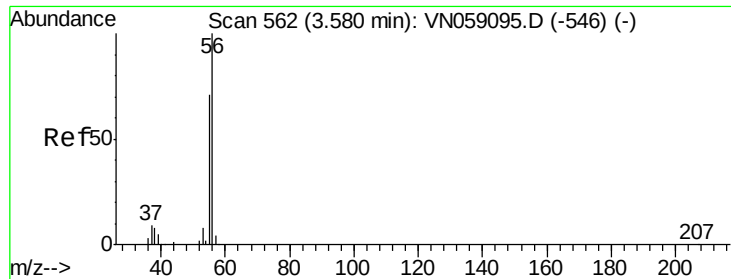


#12

1,1-Dichloroethene
Concen: 16.648 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	96	Resp	65236
Ion Ratio	100	Lower	Upper
61	163.4	136.5	204.7
98	64.7	50.2	75.4





#13

Acrolein

Concen: 56.409 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion: 56 Resp: 28620

Ion Ratio Lower Upper

56 100

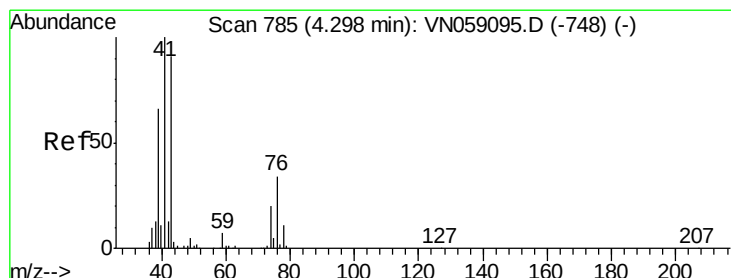
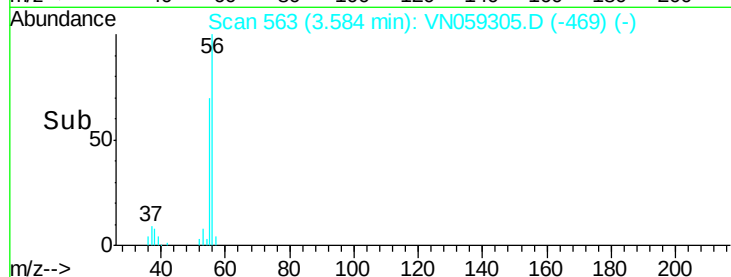
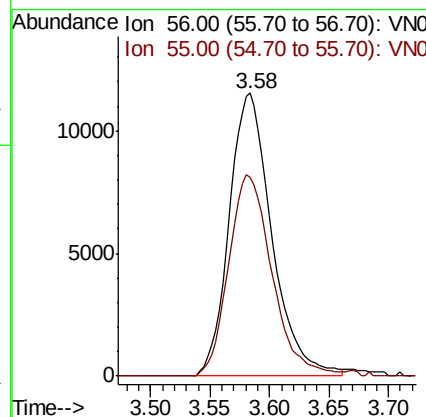
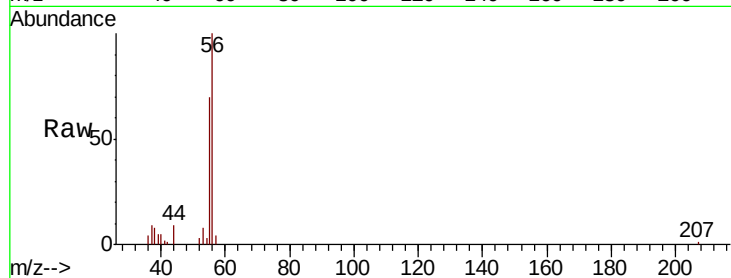
55 72.4 56.4 84.6

Manual Integrations

APPROVED

MMDadoda

11/20/2019 1:37:17 PM



#14

Allyl chloride

Concen: 15.418 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

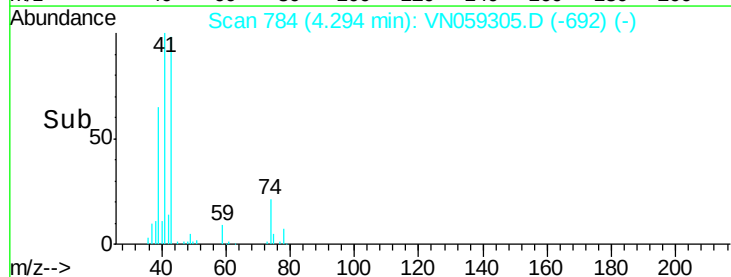
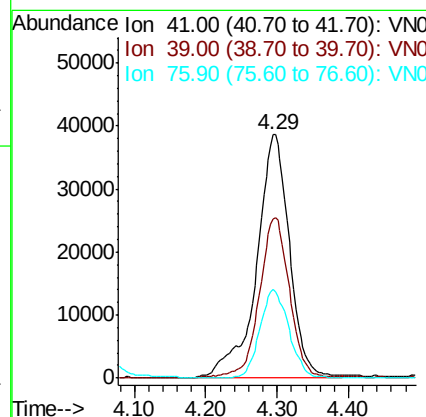
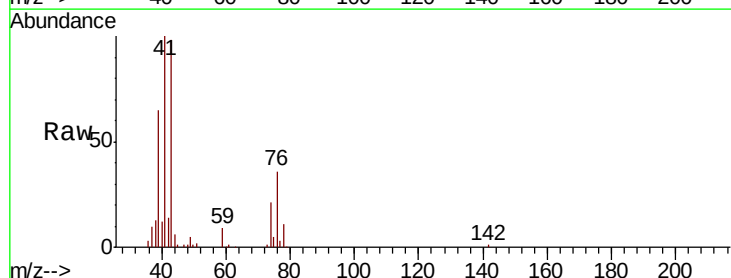
Tgt Ion: 41 Resp: 124099

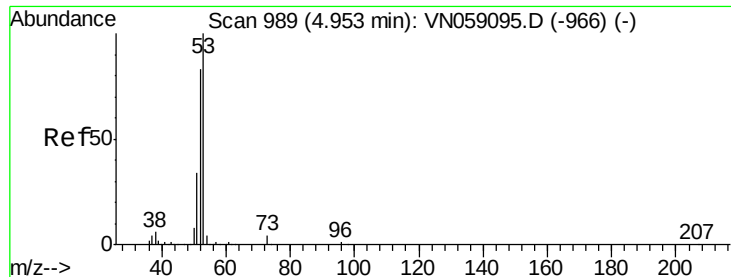
Ion Ratio Lower Upper

41 100

39 58.7 49.1 73.7

76 31.9 24.9 37.3





#15

Acrylonitrile

Concen: 78.914 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

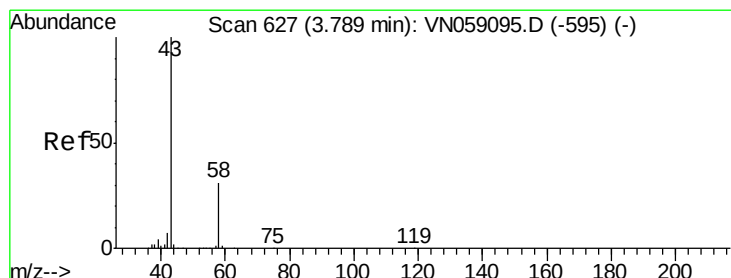
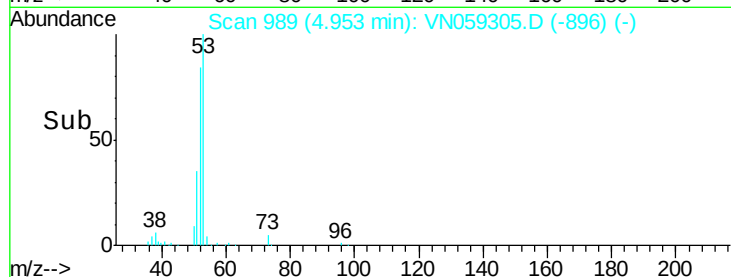
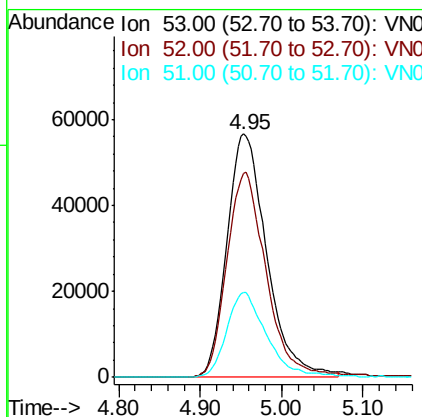
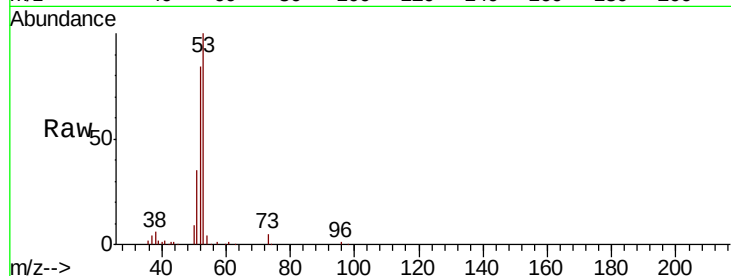
ClientSampleId :

VN1119WBS03

Tot Ion:	53	Resp:	193259
Ion Ratio		Lower	Upper
53	100		
52	82.8	65.0	97.6
51	34.3	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#16

Acetone

Concen: 69.132 ug/l

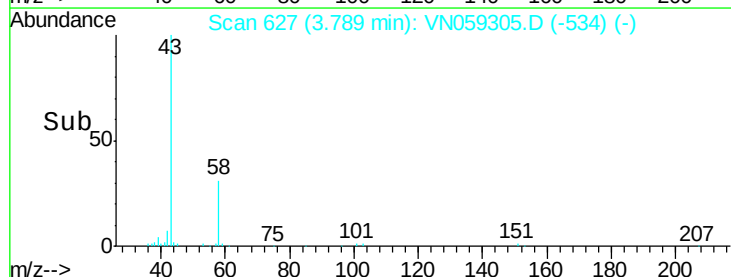
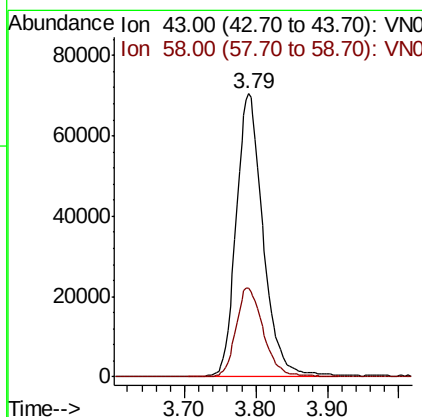
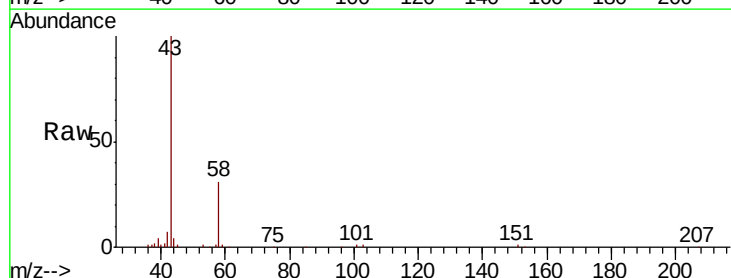
RT: 3.79 min Scan# 627

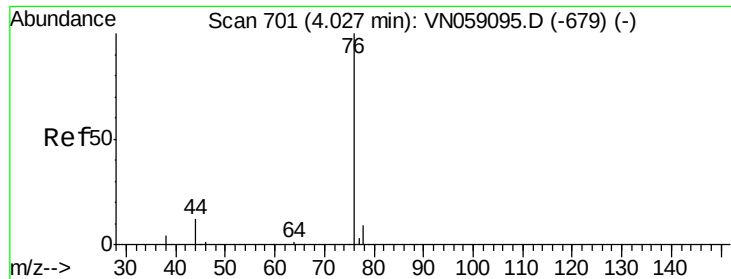
Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion:	43	Resp:	185630
Ion Ratio		Lower	Upper
43	100		
58	31.3	24.9	37.3





#17

Carbon Disulfide

Concen: 17.359 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion: 76 Resp: 211155

Ion Ratio Lower Upper

76 100

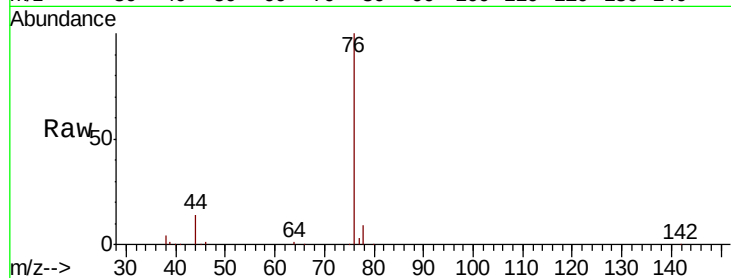
78 9.0 7.4 11.0

Manual Integrations

APPROVED

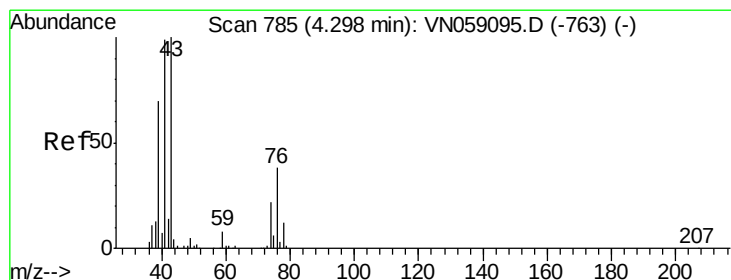
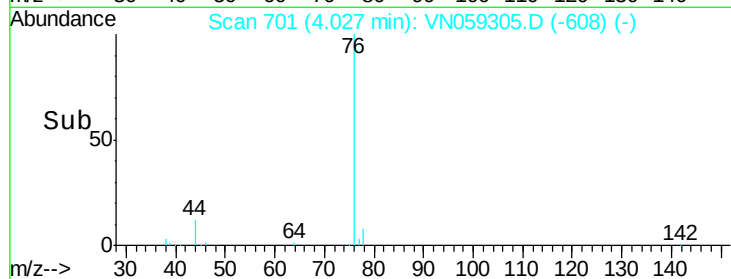
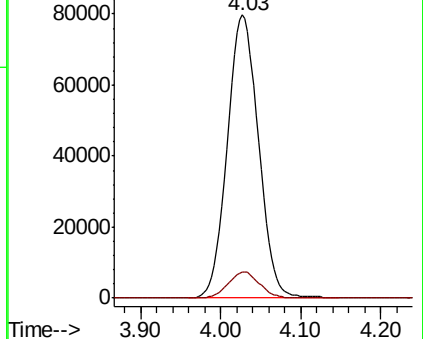
MMDadoda

11/20/2019 1:37:17 PM



Abundance Ion 75.90 (75.60 to 76.60): VN059305.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059305.D (-608) (-)



#18

Methyl Acetate

Concen: 17.471 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059305.D

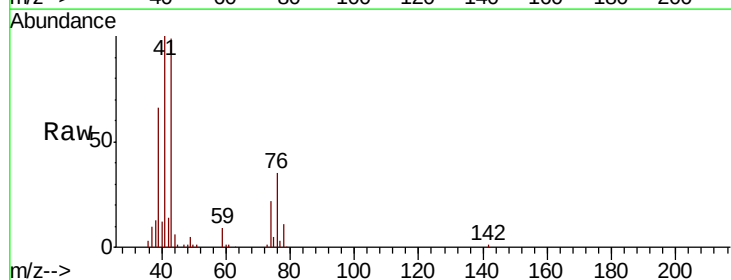
Acq: 19 Nov 2019 14:15

Tgt Ion: 43 Resp: 111352

Ion Ratio Lower Upper

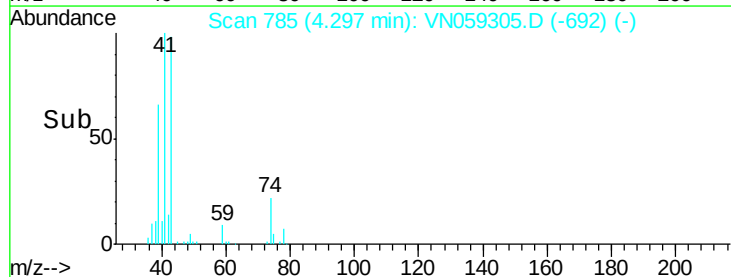
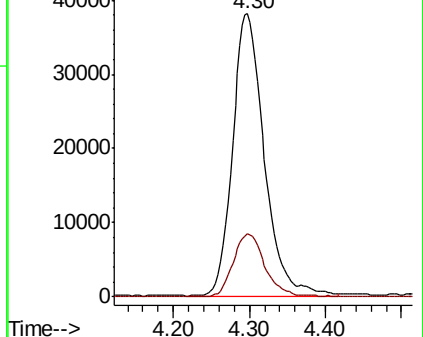
43 100

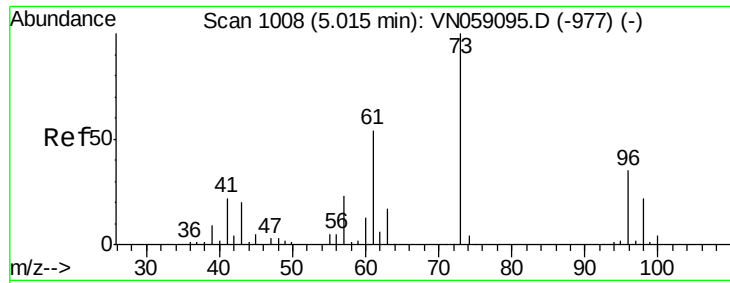
74 22.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN059305.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059305.D (-692) (-)





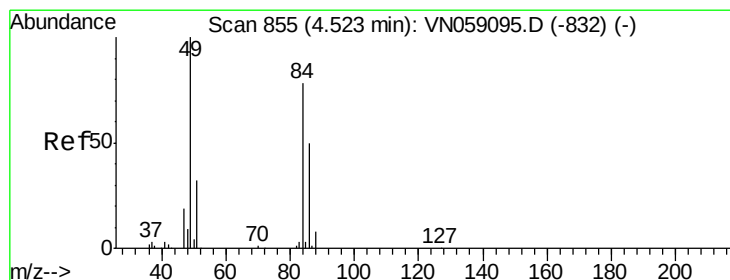
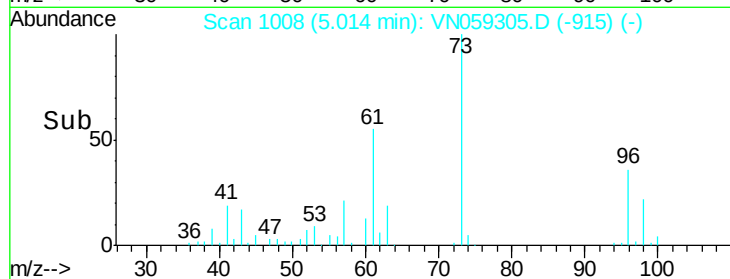
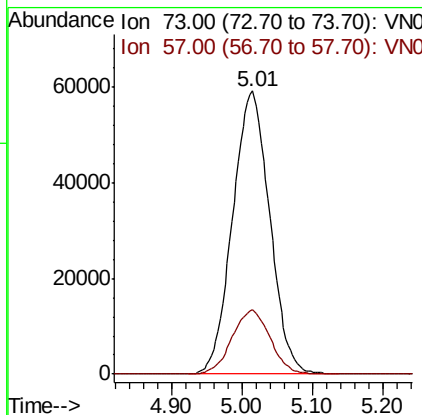
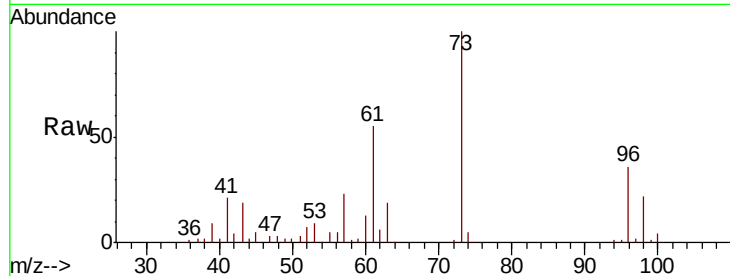
#19
Methyl tert-butyl Ether
Concen: 16.135 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion: 73 Resp: 217675
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

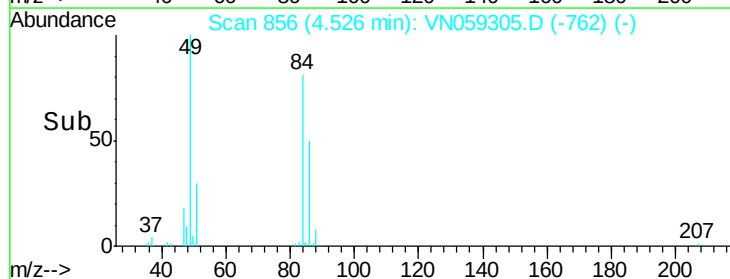
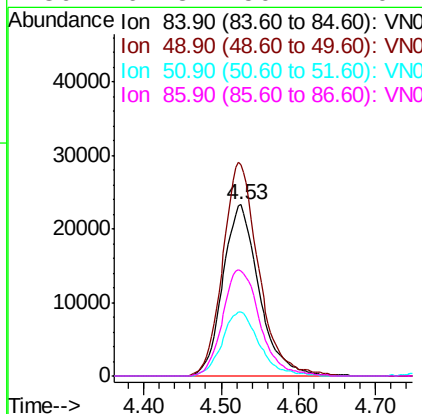
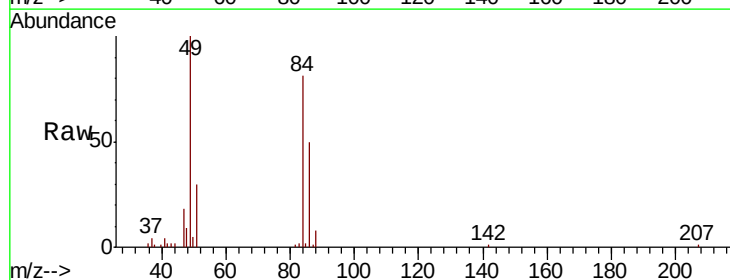
Manual Integrations
APPROVED

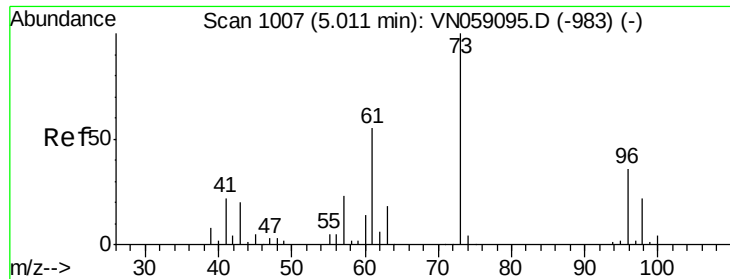
MMDadoda
11/20/2019 1:37:17 PM



#20
Methylene Chloride
Concen: 16.176 ug/l
RT: 4.53 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion: 84 Resp: 75669
Ion Ratio Lower Upper
84 100
49 123.3 102.0 153.0
51 37.6 32.2 48.2
86 61.3 50.7 76.1





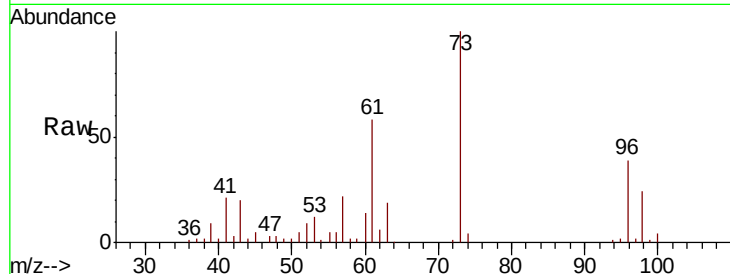
#21
trans-1,2-Dichloroethene
Concen: 16.896 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	122.6	183.8
98	60.6	50.3	75.5

Manual Integrations
APPROVED

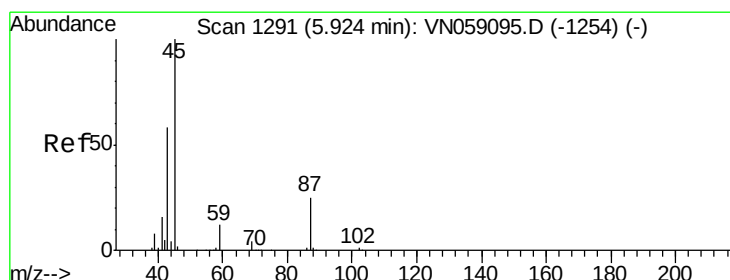
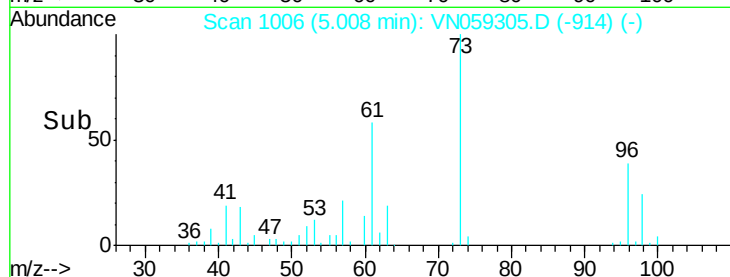
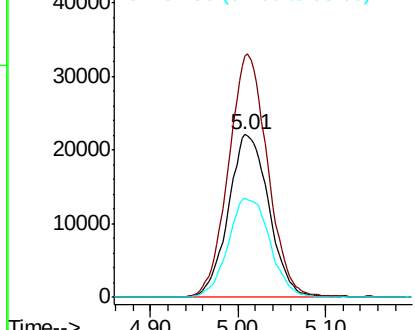
MMDadoda
11/20/2019 1:37:17 PM



Abundance Ion 95.90 (95.60 to 96.60): VN059305.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059305.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059305.D (-914) (-)



#22
Diisopropyl ether
Concen: 15.490 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

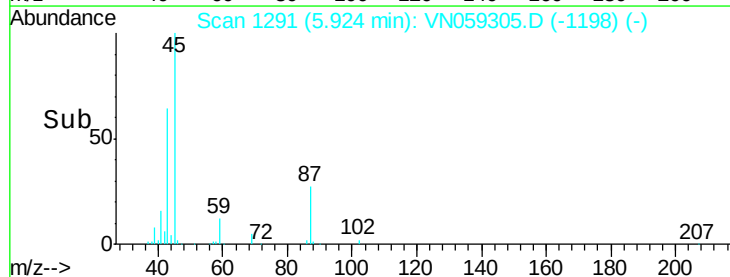
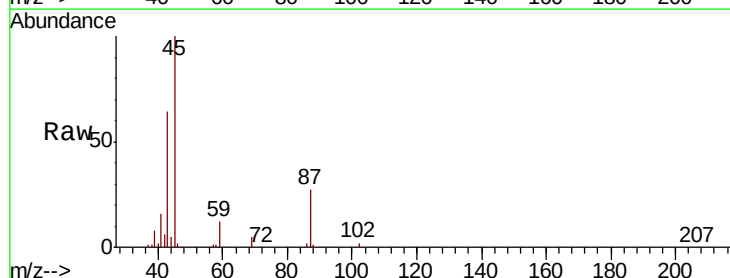
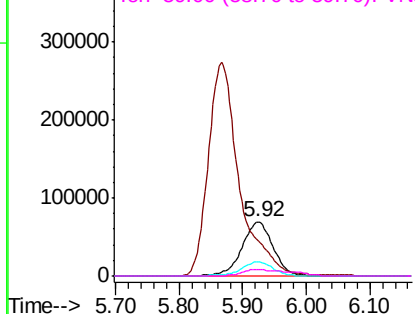
Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	46.7	70.1
87	26.7	20.5	30.7
59	11.7	9.6	14.4

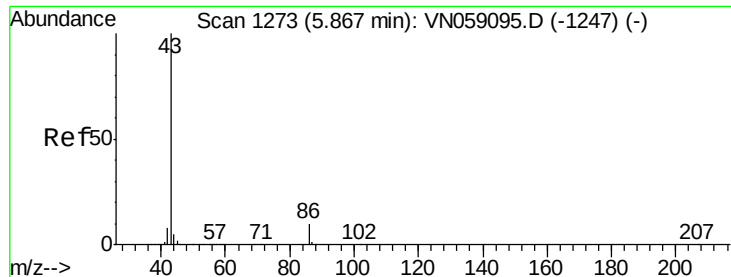
Abundance Ion 45.00 (44.70 to 45.70): VN059305.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN059305.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059305.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059305.D (-1198) (-)





#23

Vinyl Acetate

Concen: 78.990 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion: 43 Resp: 930732

Ion Ratio Lower Upper

43 100

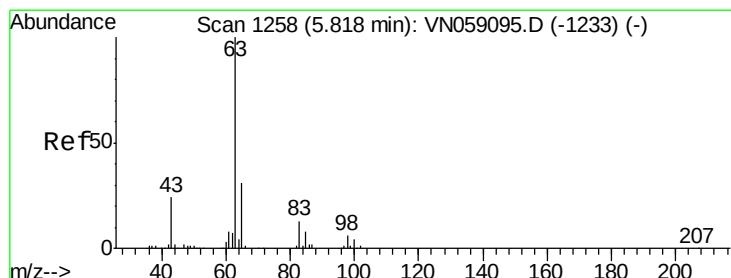
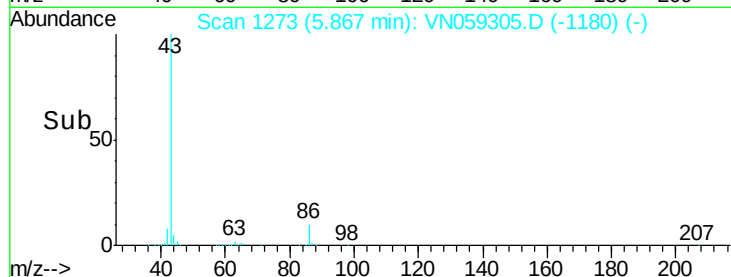
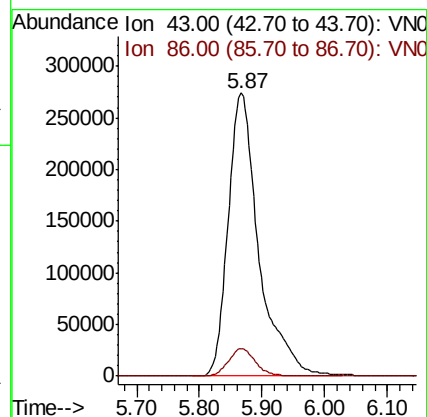
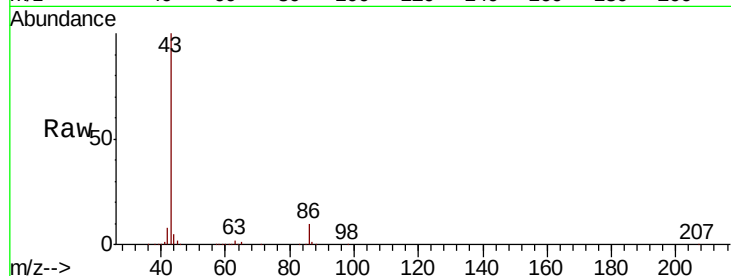
86 9.7 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

11/20/2019 1:37:17 PM



#24

1,1-Dichloroethane

Concen: 15.785 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

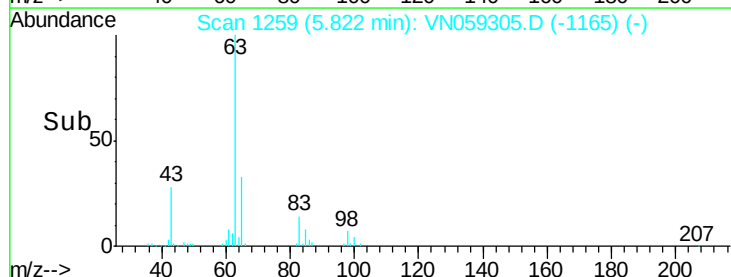
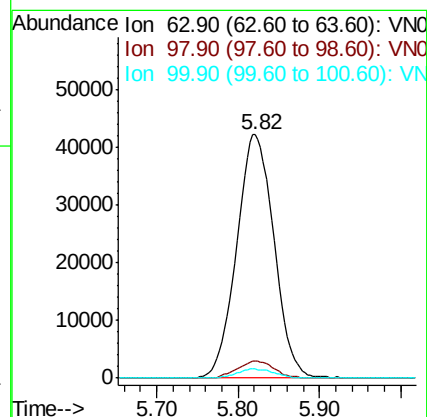
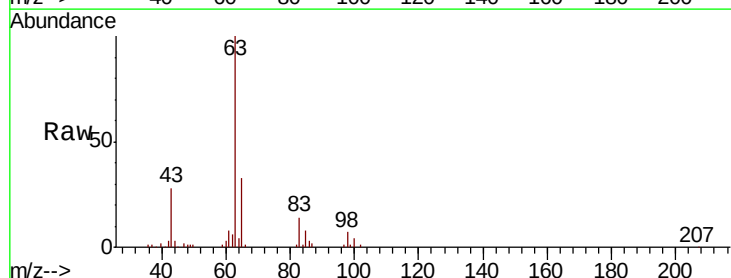
Tgt Ion: 63 Resp: 134040

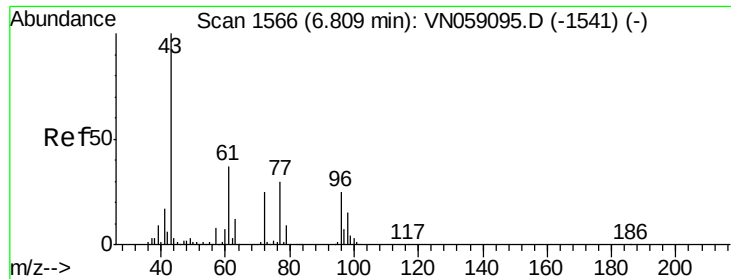
Ion Ratio Lower Upper

63 100

98 7.1 2.8 8.4

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 72.938 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion: 43 Resp: 258119

Ion Ratio Lower Upper

43 100

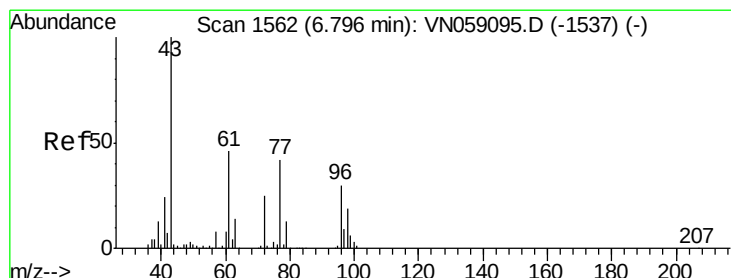
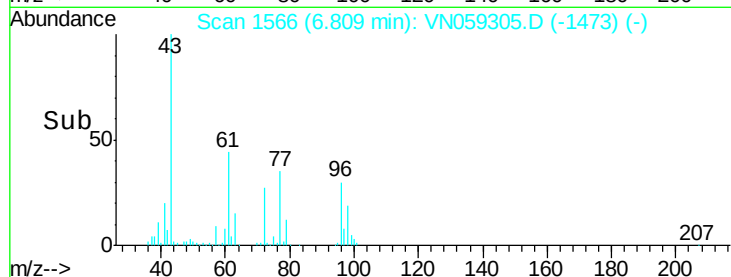
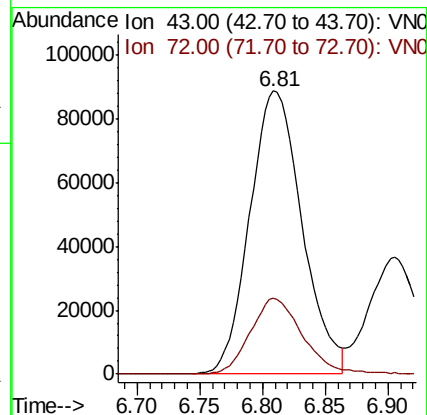
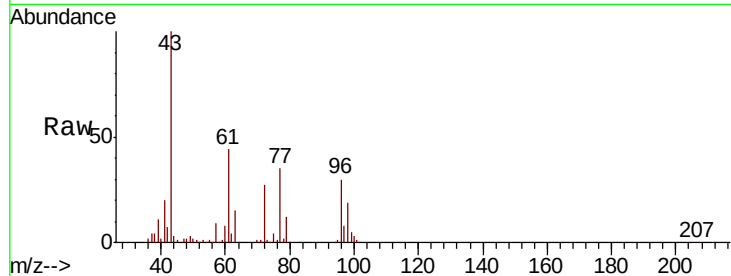
72 27.0 20.3 30.5

Manual Integrations

APPROVED

MMDadoda

11/20/2019 1:37:17 PM



#26

2,2-Dichloropropane

Concen: 15.069 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059305.D

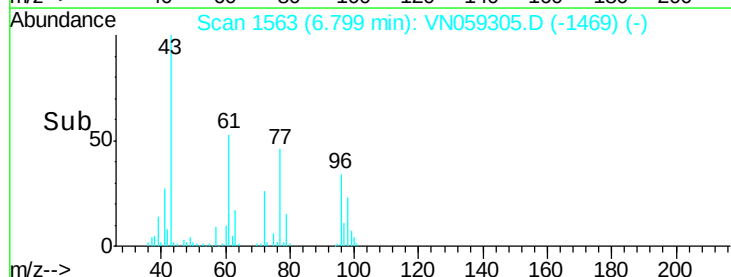
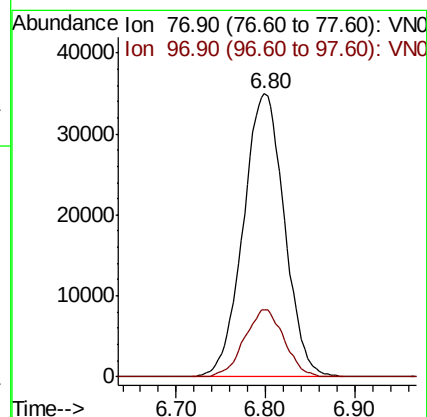
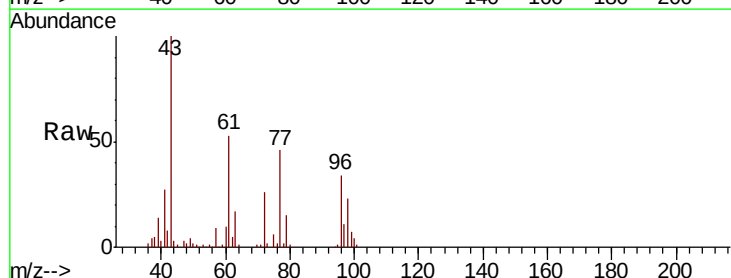
Acq: 19 Nov 2019 14:15

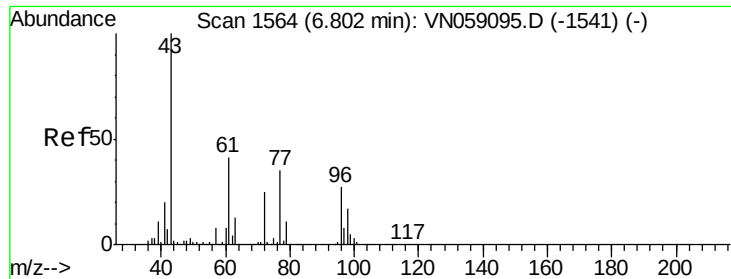
Tgt Ion: 77 Resp: 111888

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 16.107 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

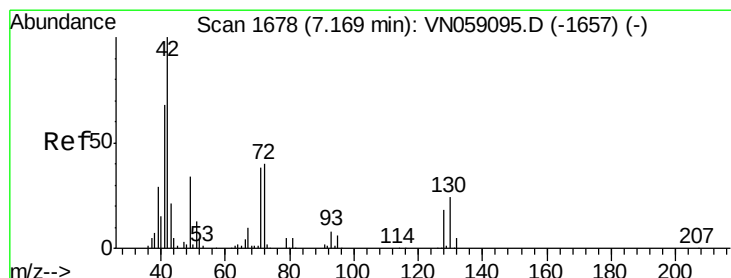
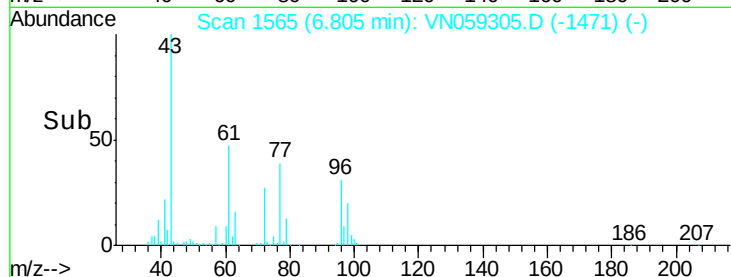
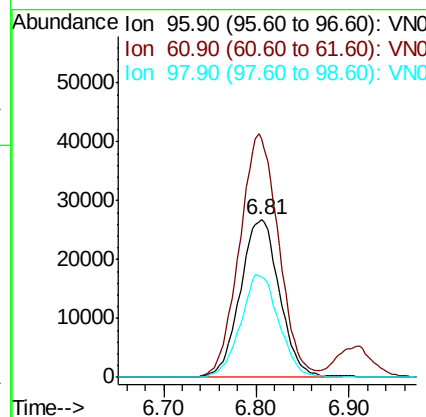
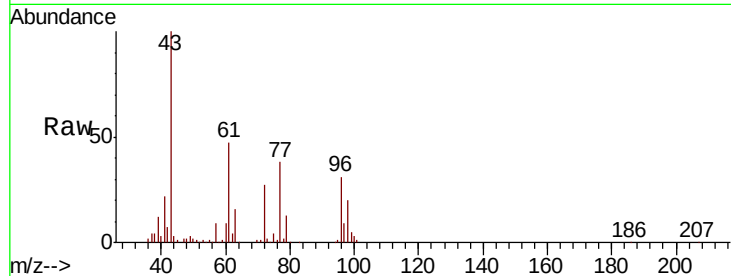
ClientSampleId :

VN1119WBS03

Tot Ion:	96	Resp:	78598
Ion	Ratio	Lower	Upper
96	100		
61	154.1	0.0	311.6
98	63.5	0.0	129.8

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#28

Bromochloromethane

Concen: 14.007 ug/l

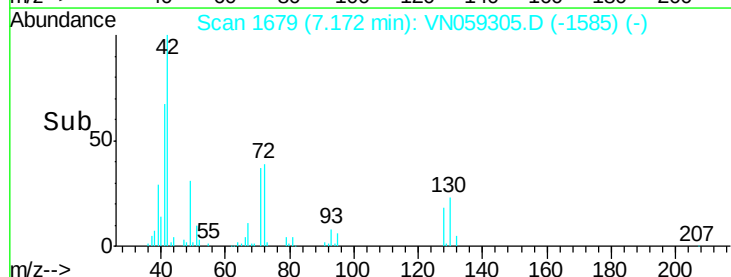
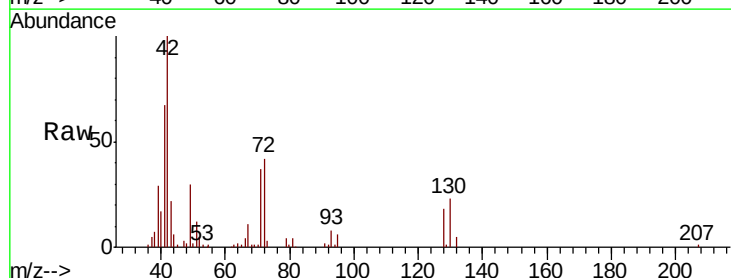
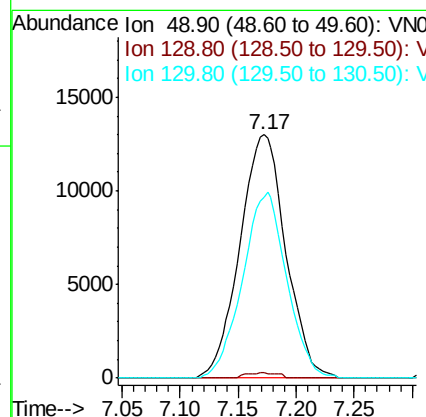
RT: 7.17 min Scan# 1679

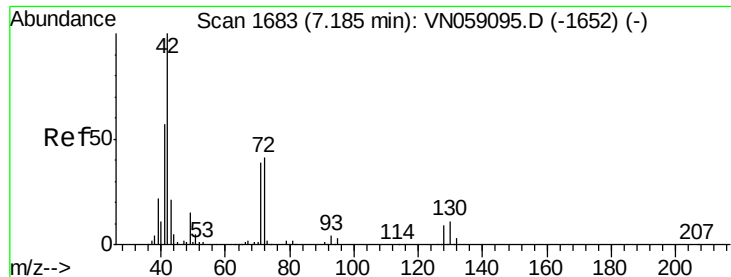
Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion:	49	Resp:	35783
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	73.5	55.6	83.4





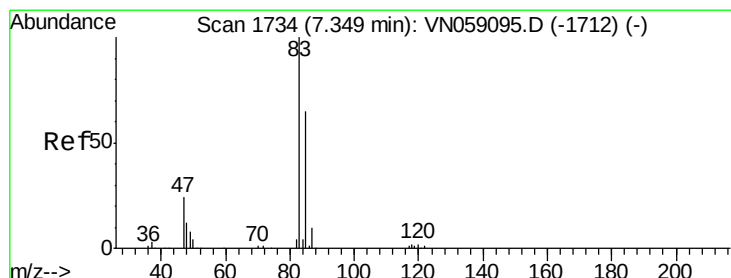
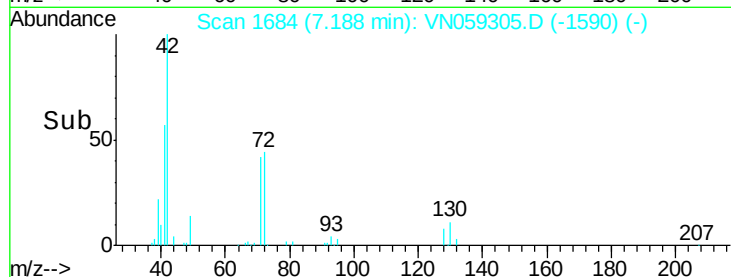
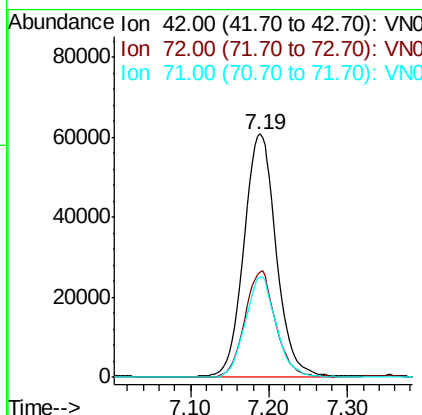
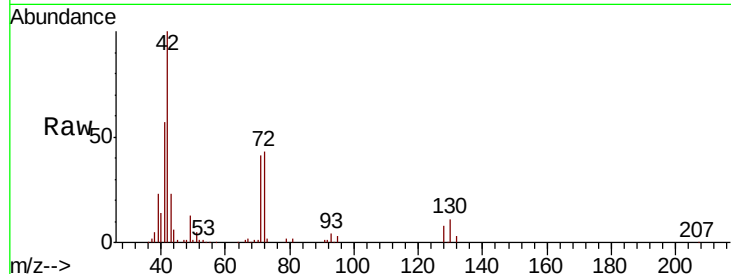
#29
Tetrahydrofuran
Concen: 79.175 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.1	49.7
71	39.6	30.9	46.3

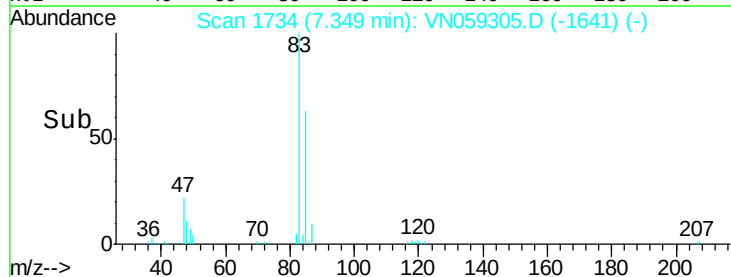
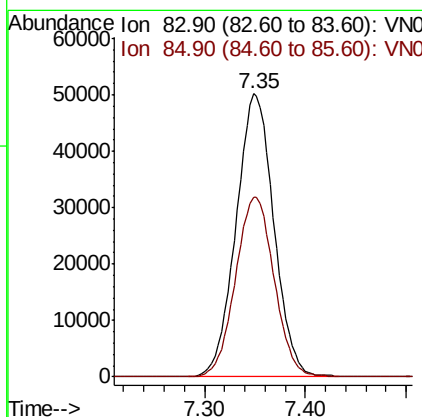
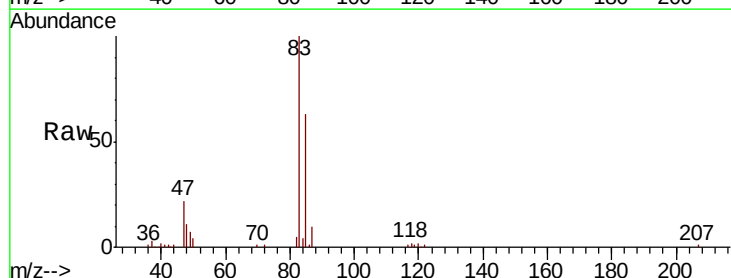
Manual Integrations
APPROVED

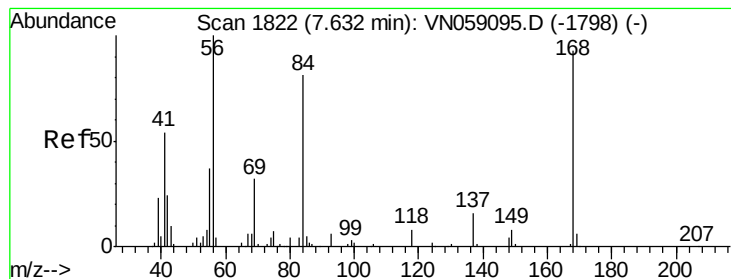
MMDadoda
11/20/2019 1:37:17 PM



#30
Chloroform
Concen: 15.997 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.8





#31

Cyclohexane

Concen: 16.132 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

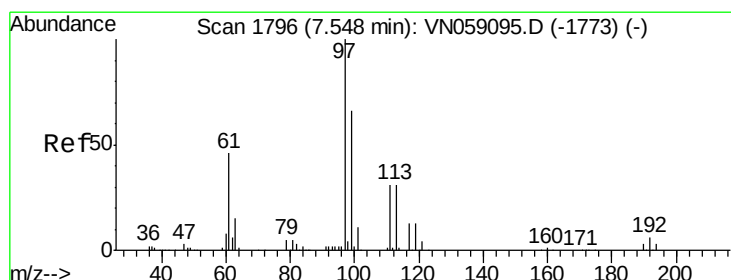
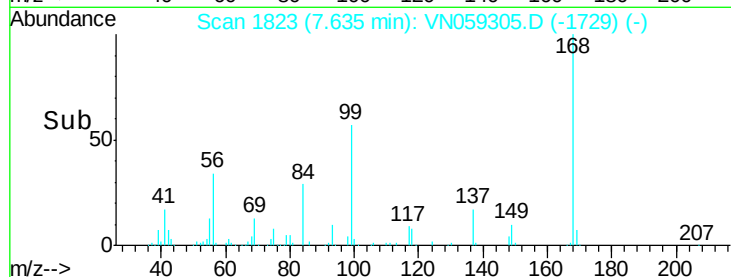
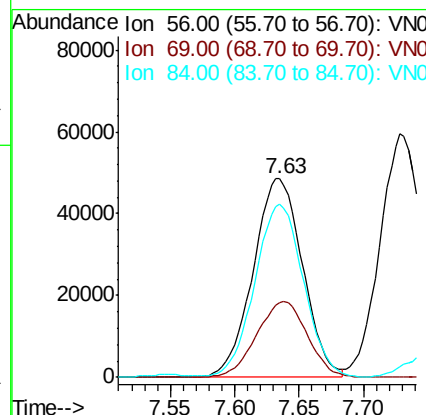
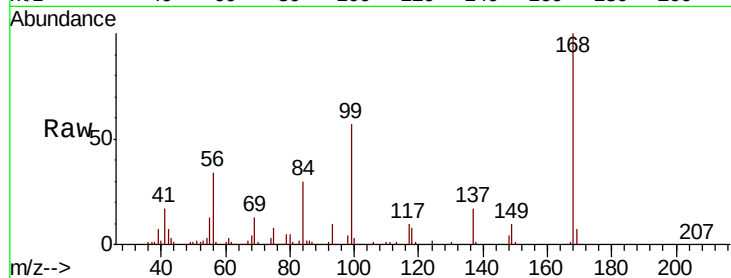
ClientSampleId :

VN1119WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	25.8	38.8
84	86.1	65.0	97.4

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#32

1,1,1-Trichloroethane

Concen: 15.910 ug/l

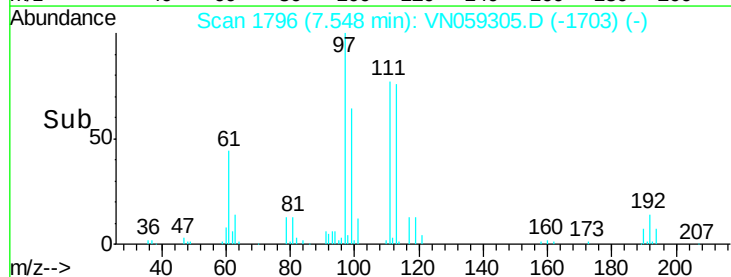
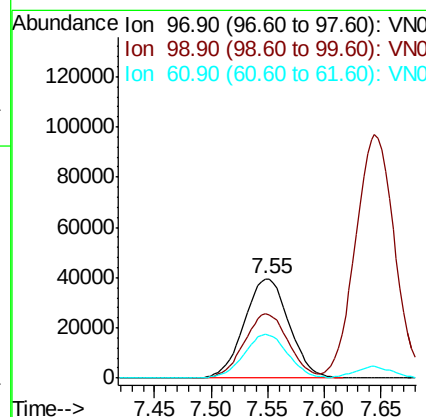
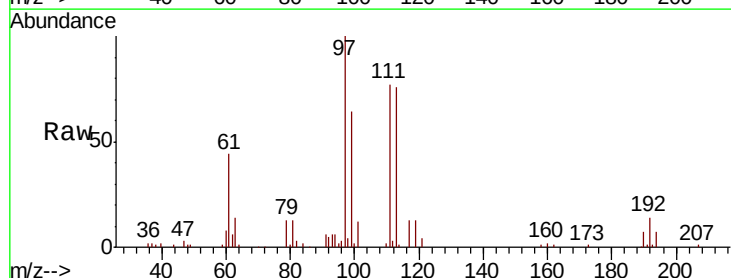
RT: 7.55 min Scan# 1796

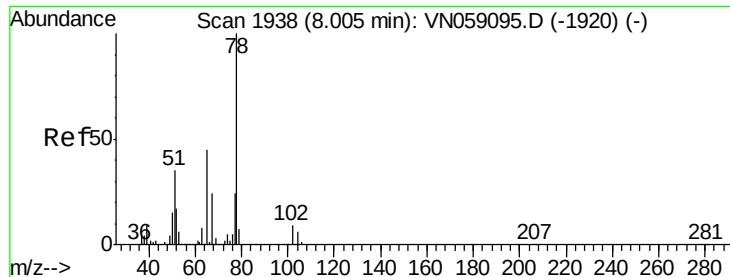
Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	43.3	35.8	53.8





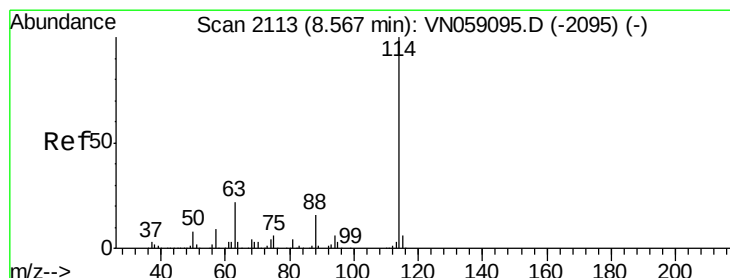
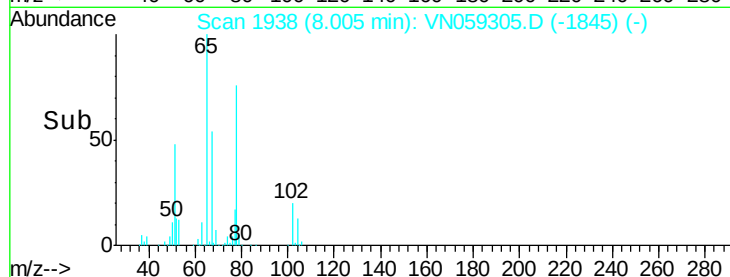
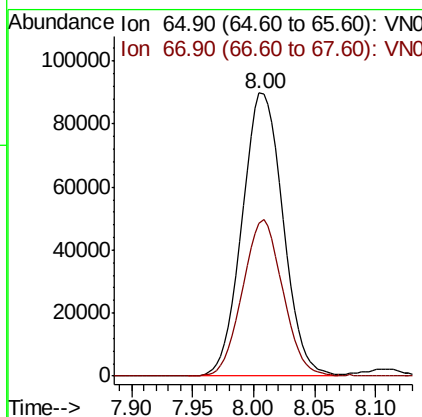
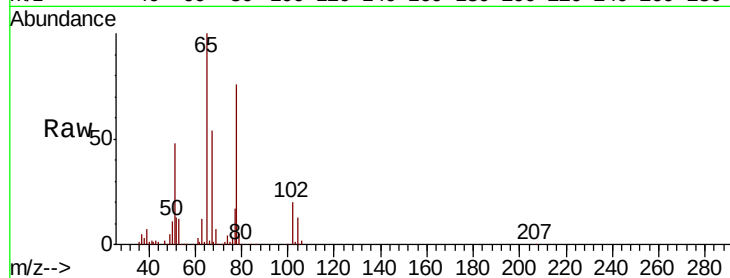
#33
 1,2-Dichloroethane-d4
 Concen: 40.481 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	107.4

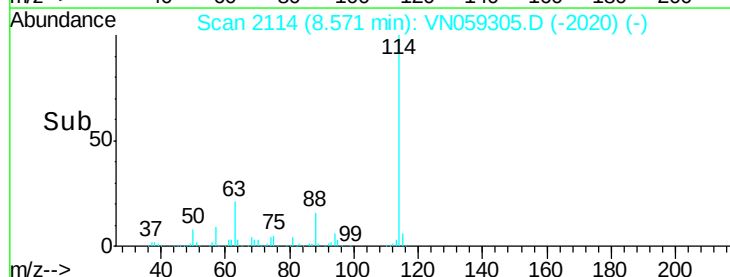
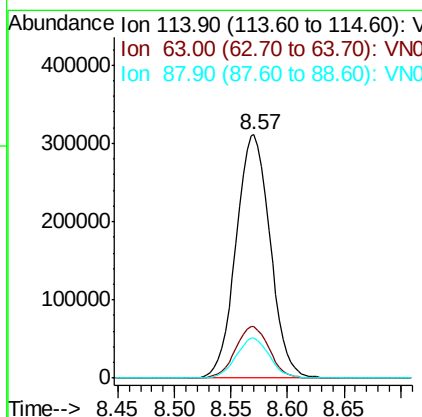
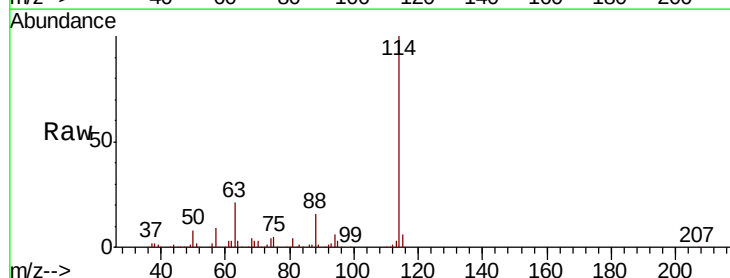
Manual Integrations
 APPROVED

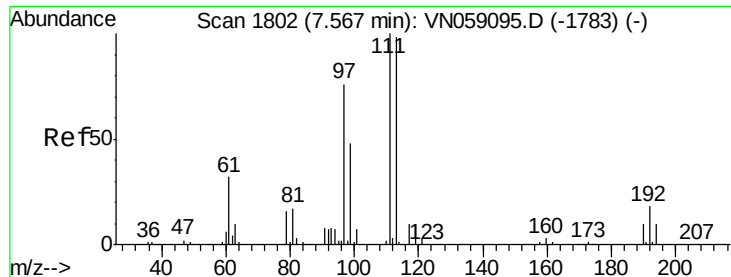
MMDadoda
 11/20/2019 1:37:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.4
88	16.4	0.0	32.2





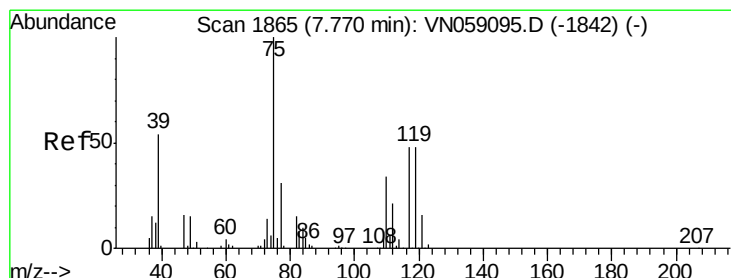
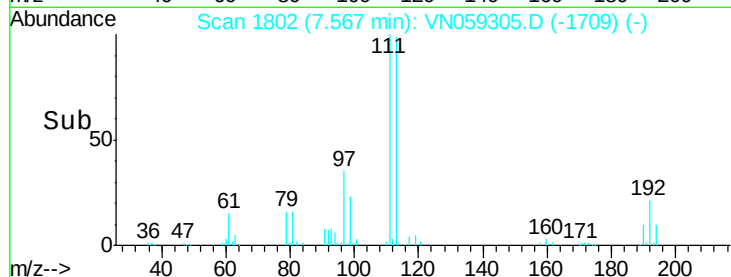
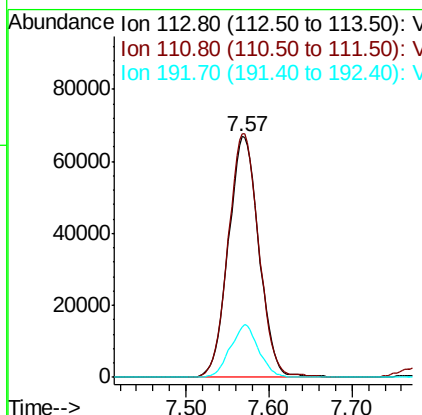
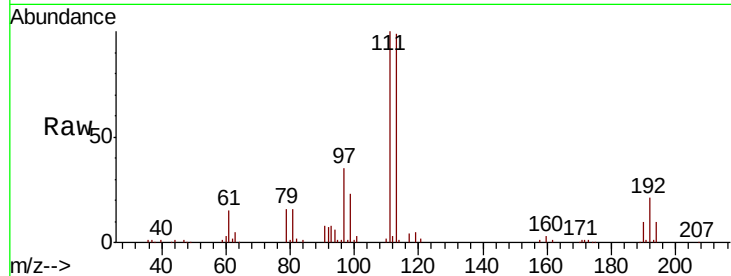
#35
 Dibromofluoromethane
 Concen: 43.886 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171575		
111	100.5	82.8	124.2	
192	20.1	16.1	24.1	

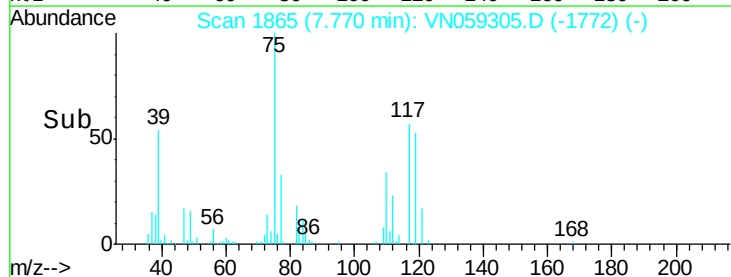
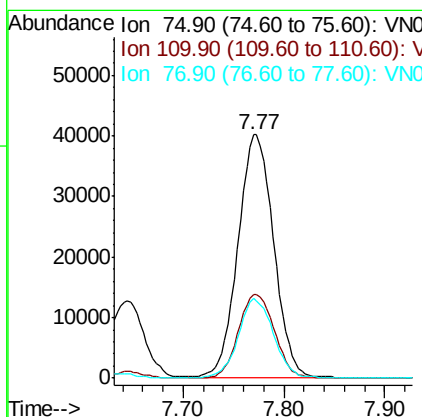
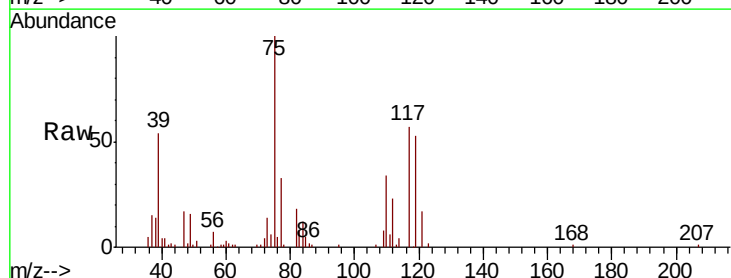
Manual Integrations
 APPROVED

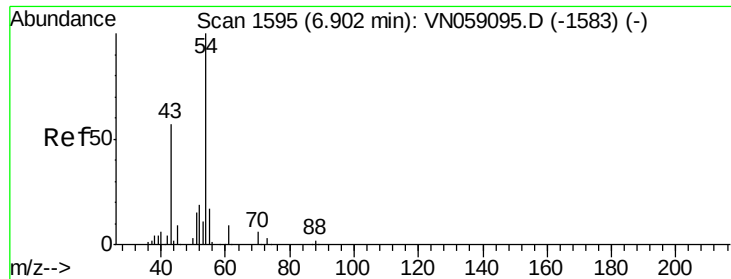
MMDadoda
 11/20/2019 1:37:17 PM



#36
 1,1-Dichloropropene
 Concen: 16.202 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99162		
110	34.3	17.1	51.2	
77	32.1	24.8	37.2	





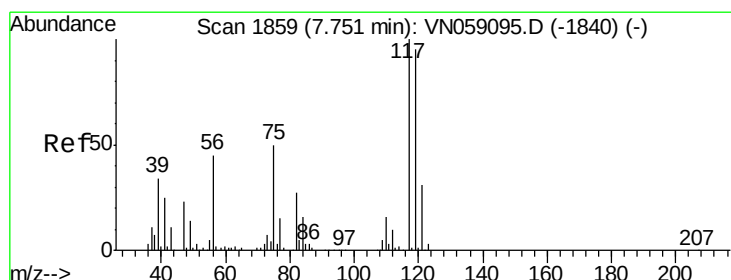
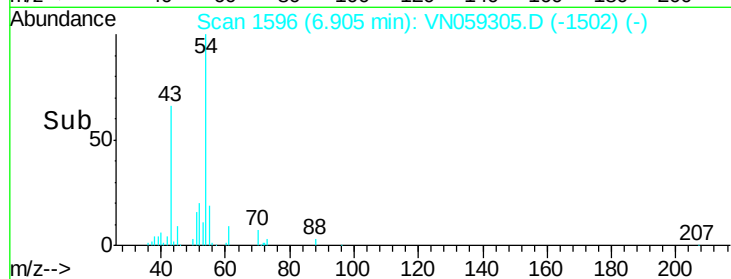
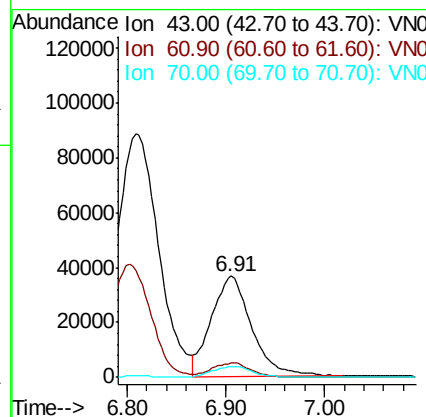
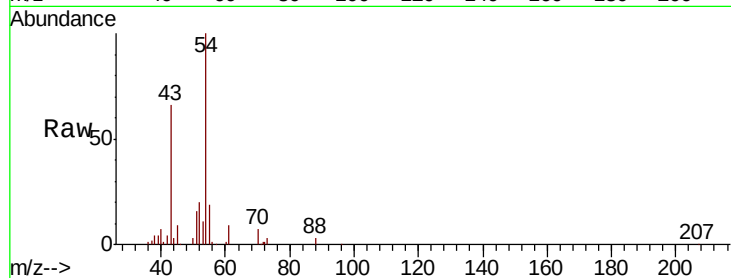
#37
Ethyl Acetate
Concen: 15.371 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	10.6	7.8	11.8

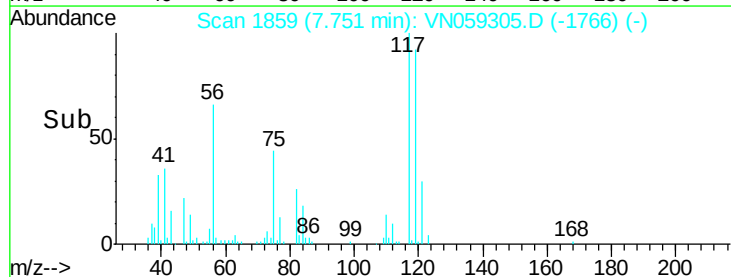
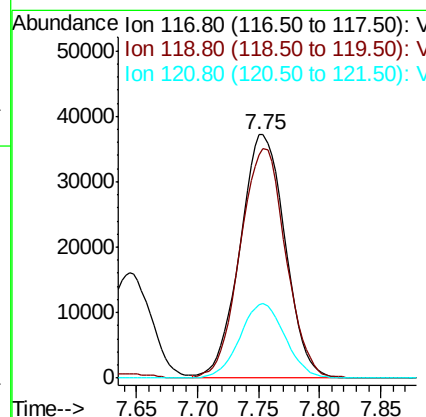
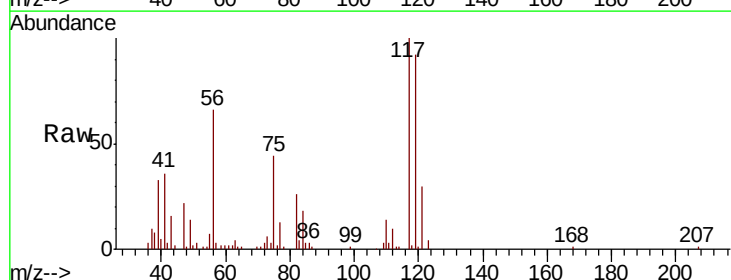
Manual Integrations
APPROVED

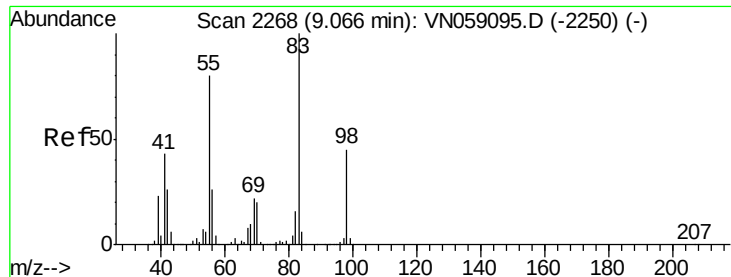
MMDadoda
11/20/2019 1:37:17 PM



#38
Carbon Tetrachloride
Concen: 15.652 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.6	113.4
121	30.1	24.6	36.8





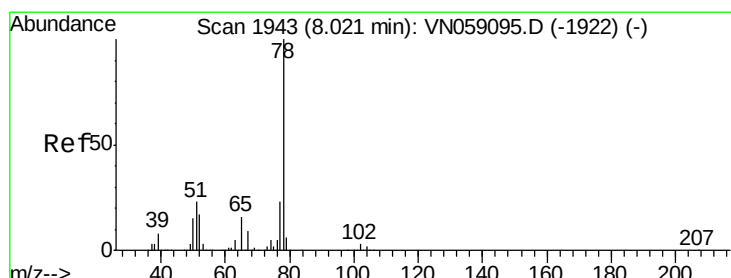
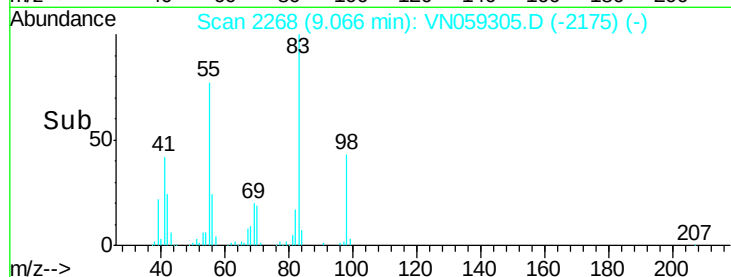
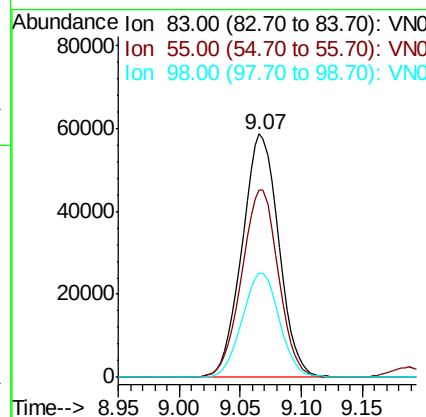
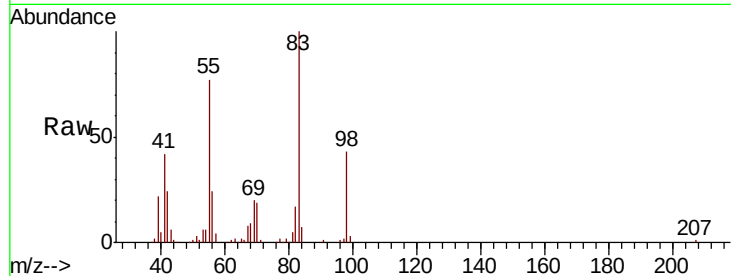
#39
Methylvlcyclohexane
Concen: 17.131 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	63.9	95.9
98	42.8	35.6	53.4

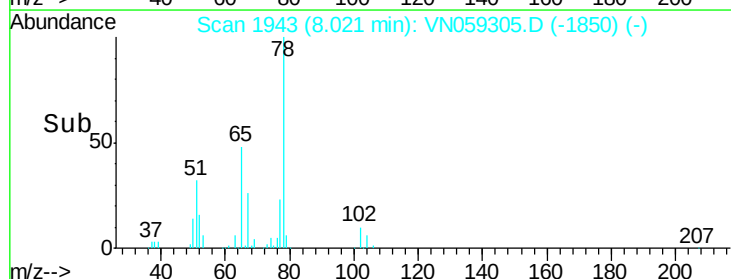
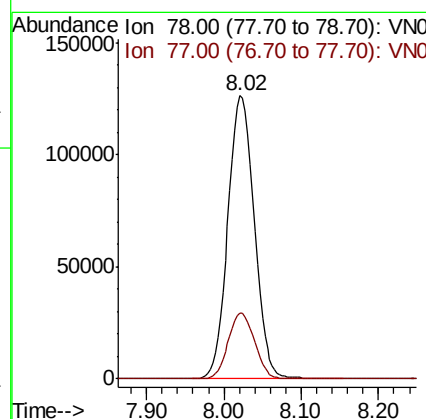
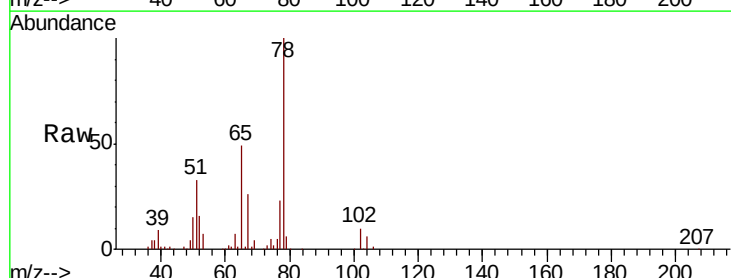
Manual Integrations
APPROVED

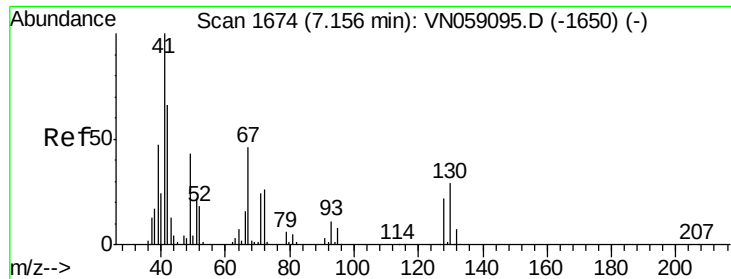
MMDadoda
11/20/2019 1:37:17 PM



#40
Benzene
Concen: 16.274 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





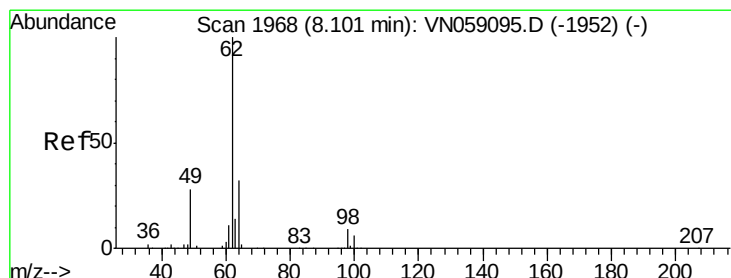
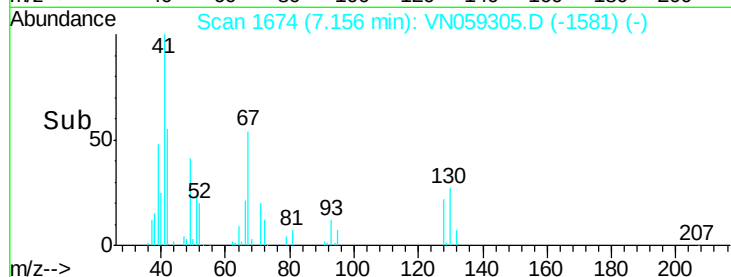
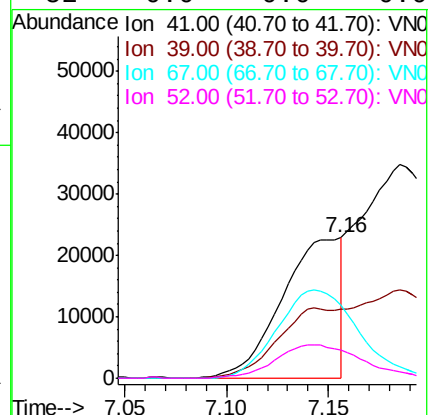
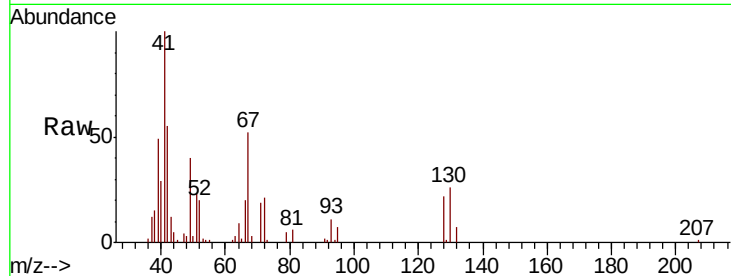
#41
Methacrylonitrile
Concen: 15.530 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	41	Resp	45978
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

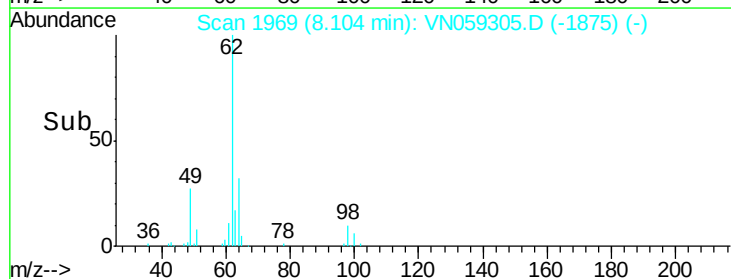
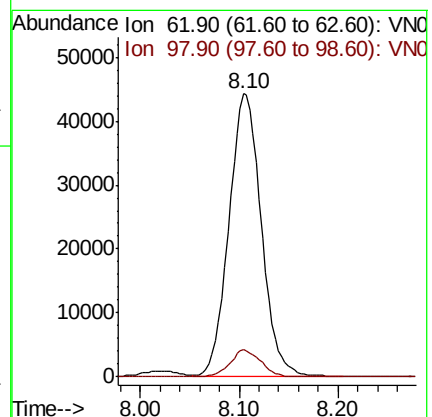
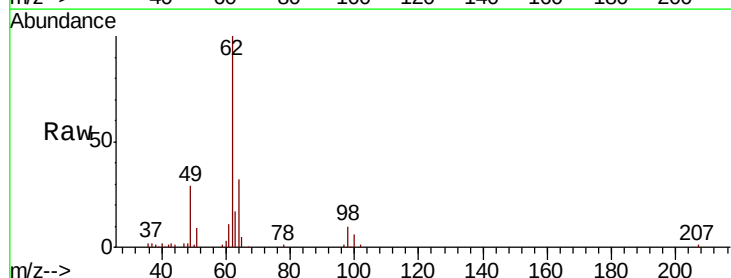
Manual Integrations
APPROVED

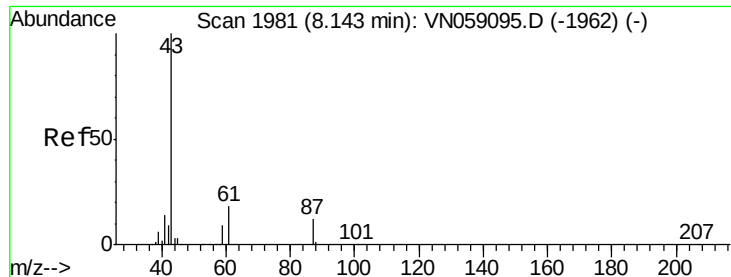
MMDadoda
11/20/2019 1:37:17 PM



#42
1,2-Dichloroethane
Concen: 16.097 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	62	Resp	101748
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	17.8





#43

Isopropyl Acetate

Concen: 14.734 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

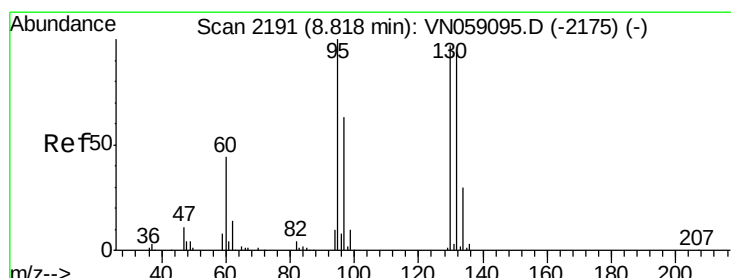
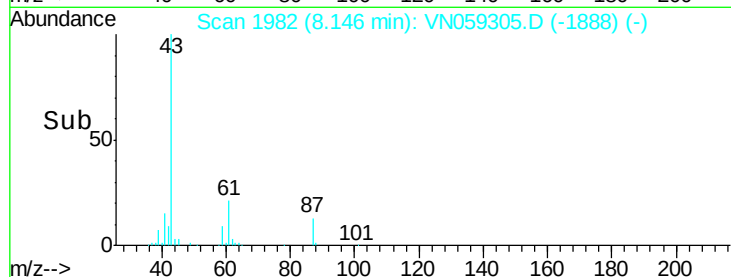
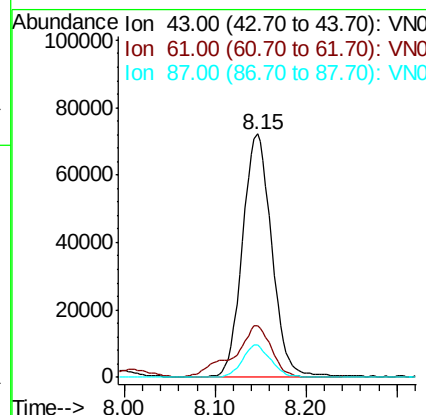
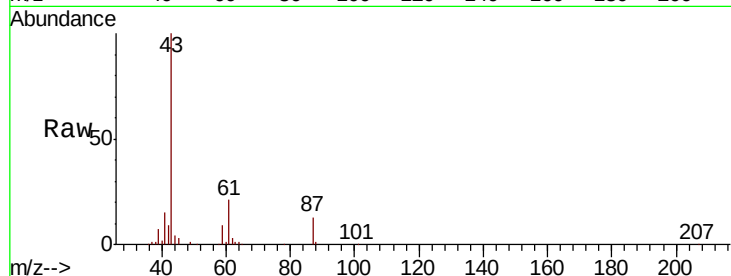
ClientSampleId :

VN1119WBS03

Tot Ion:	43	Resp:	159931
Ion	Ratio	Lower	Upper
43	100		
61	27.6	21.0	31.6
87	13.0	9.8	14.6

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#44

Trichloroethene

Concen: 16.375 ug/l

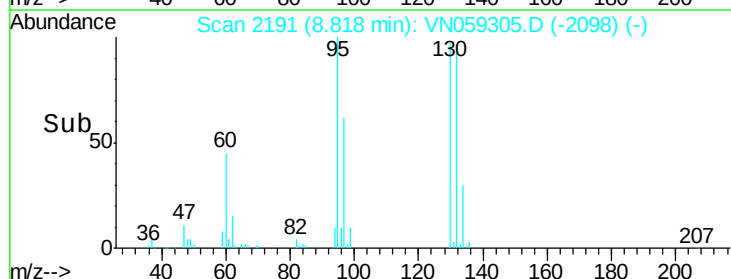
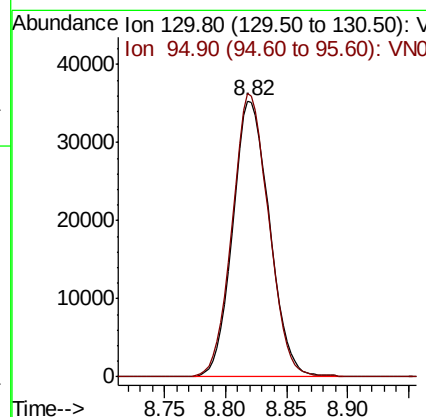
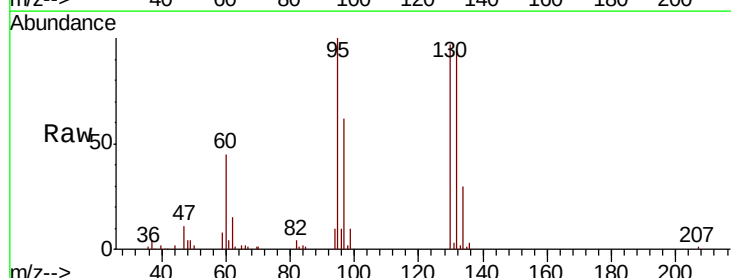
RT: 8.82 min Scan# 2191

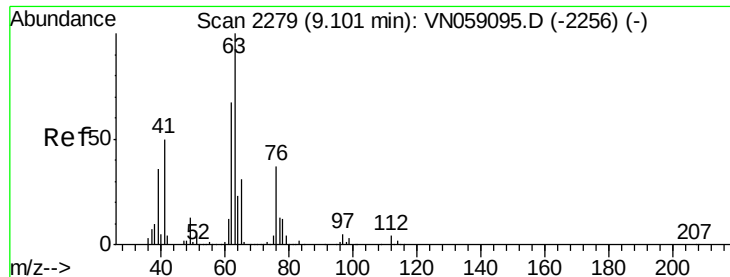
Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion:	130	Resp:	74185
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	206.4





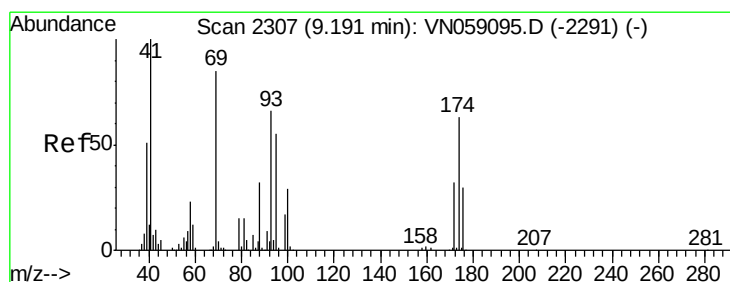
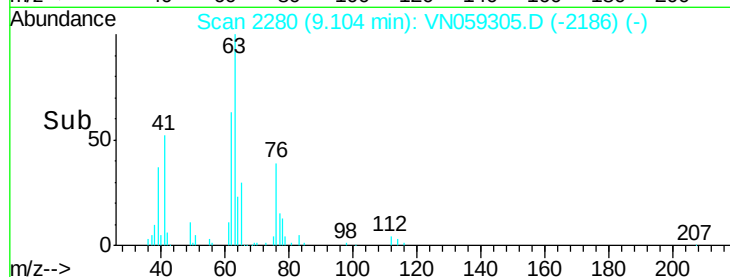
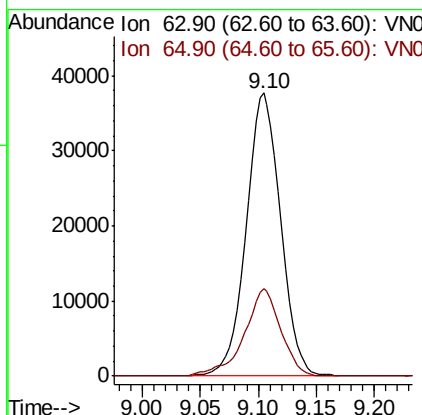
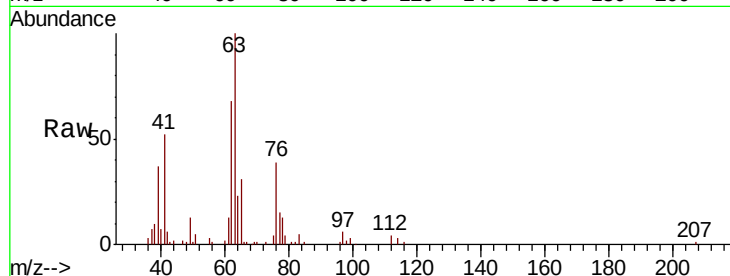
#45
 1,2-Dichloropropane
 Concen: 15.562 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Tot Ion: 63 Resp: 77904
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

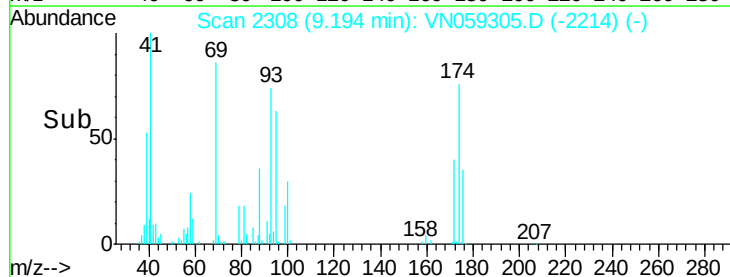
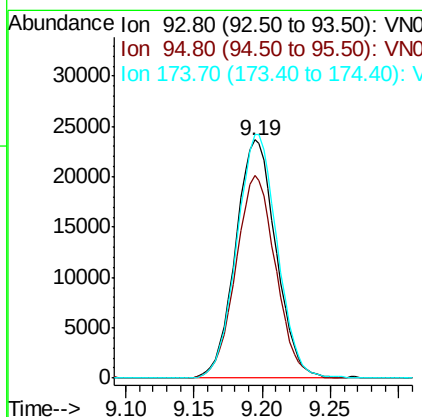
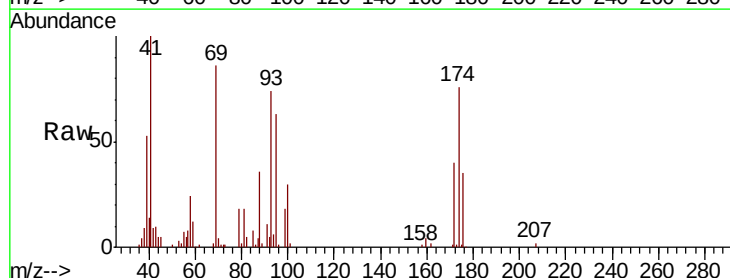
Manual Integrations
 APPROVED

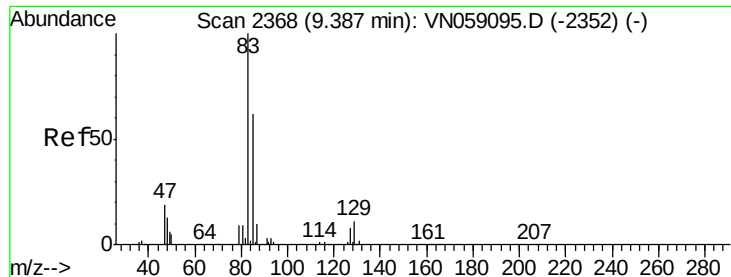
MMDadoda
 11/20/2019 1:37:17 PM



#46
 Dibromomethane
 Concen: 15.623 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Tgt Ion: 93 Resp: 48735
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 100.0
 174 102.3 78.2 117.2





#47

Bromodichloromethane

Concen: 15.455 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

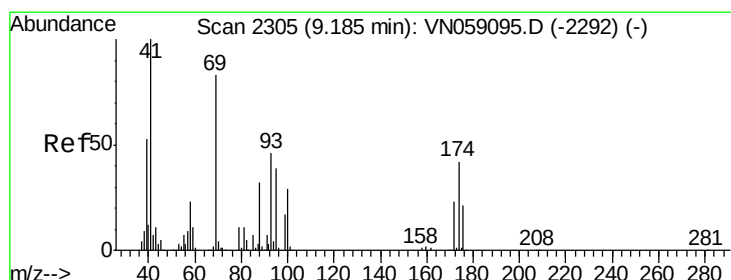
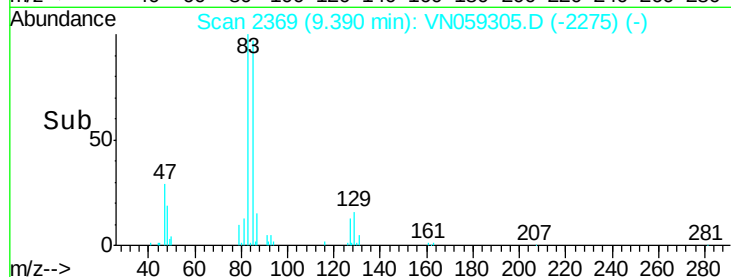
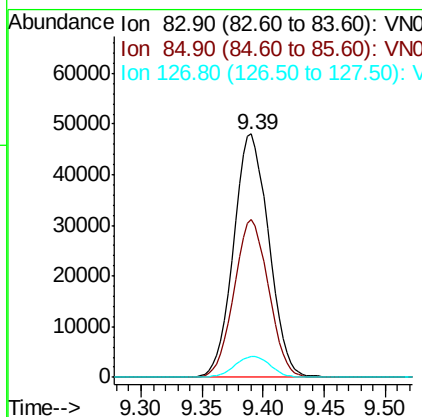
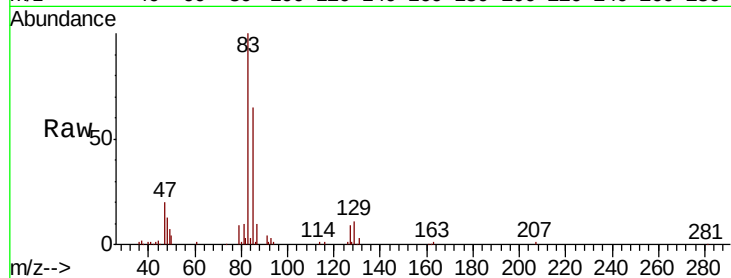
ClientSampleId :

VN1119WBS03

Tot Ion:	83	Resp:	96270
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.7	74.5
127	8.5	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#48

Methyl methacrylate

Concen: 14.925 ug/l

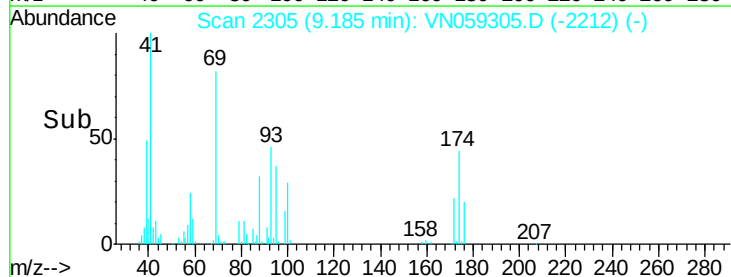
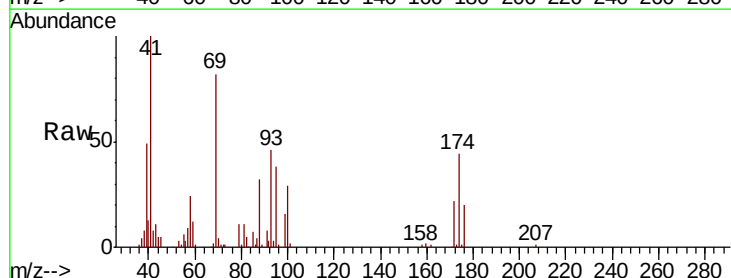
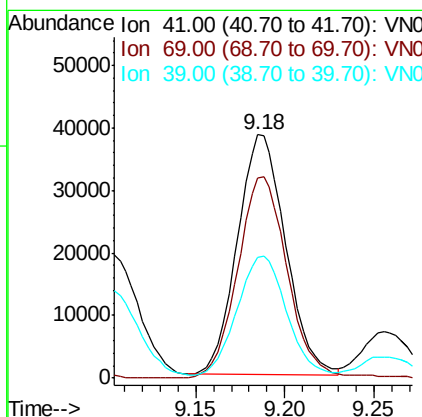
RT: 9.18 min Scan# 2305

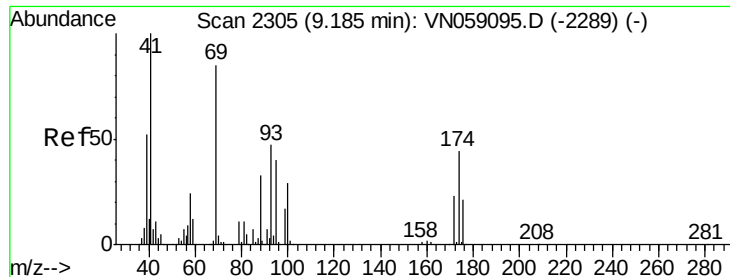
Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion:	41	Resp:	72465
Ion	Ratio	Lower	Upper
41	100		
69	86.1	67.3	100.9
39	52.3	43.3	64.9





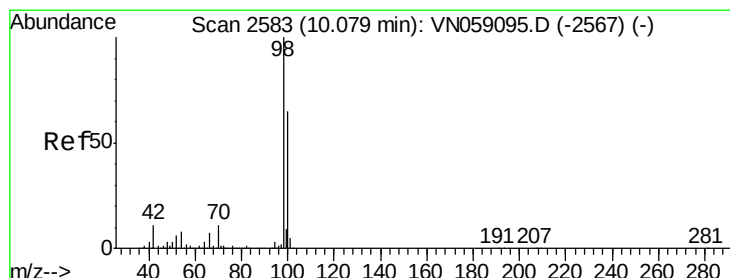
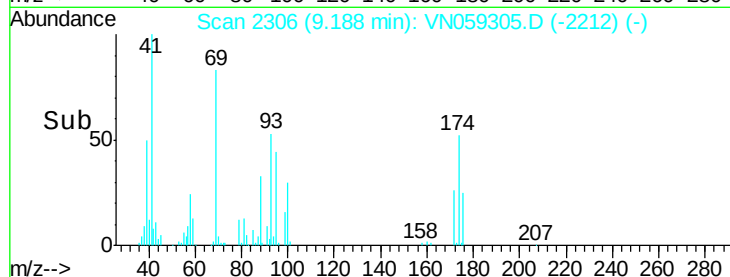
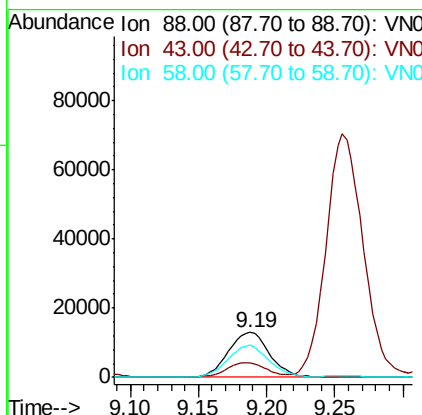
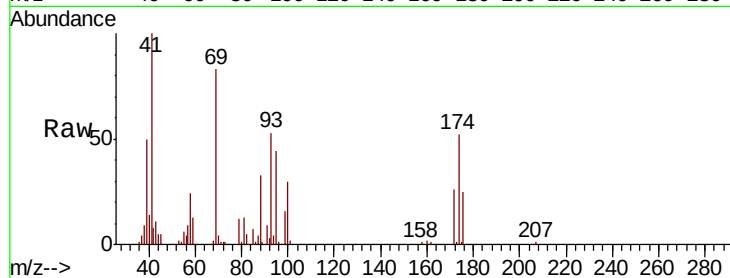
#49
1,4-Dioxane
Concen: 318.740 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.3	39.5
58	70.5	60.6	90.8

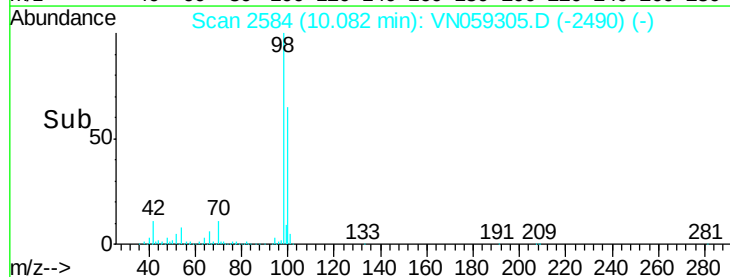
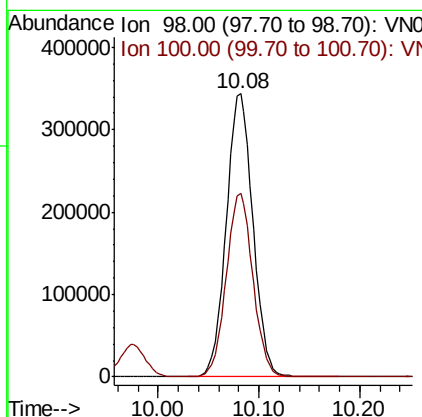
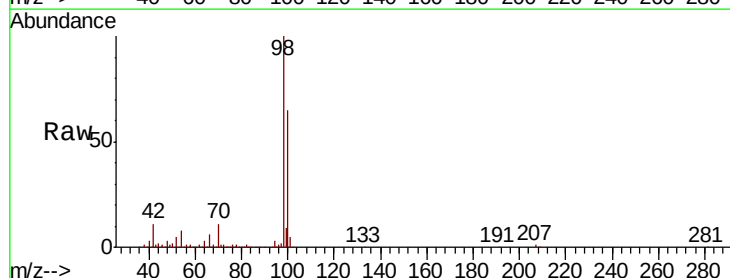
Manual Integrations
APPROVED

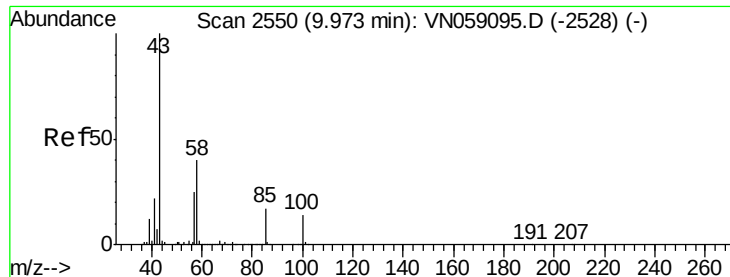
MMDadoda
11/20/2019 1:37:17 PM



#50
Toluene-d8
Concen: 41.149 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 81.843 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion: 43 Resp: 502658

Ion Ratio Lower Upper

43 100

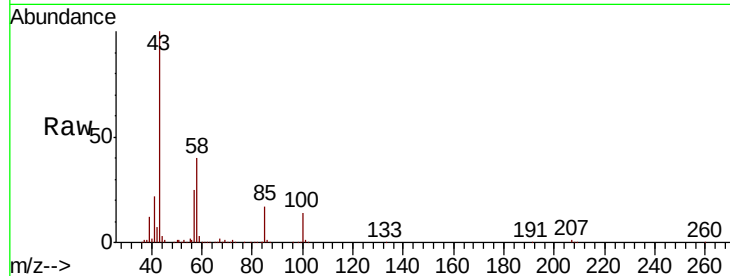
58 39.3 31.5 47.3

Manual Integrations

APPROVED

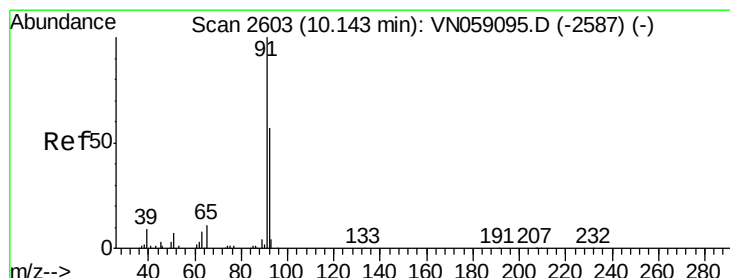
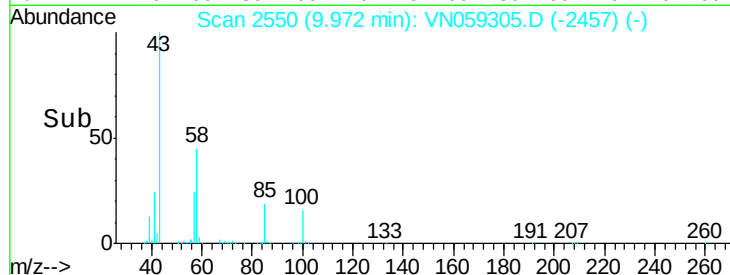
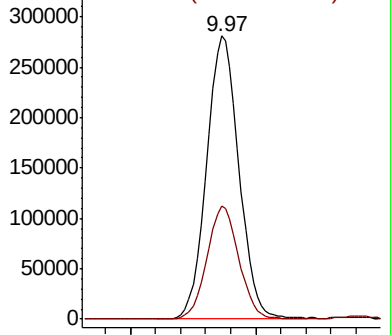
MMDadoda

11/20/2019 1:37:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 16.400 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059305.D

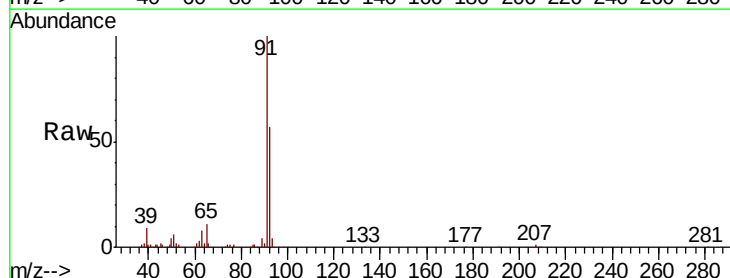
Acq: 19 Nov 2019 14:15

Tgt Ion: 92 Resp: 181159

Ion Ratio Lower Upper

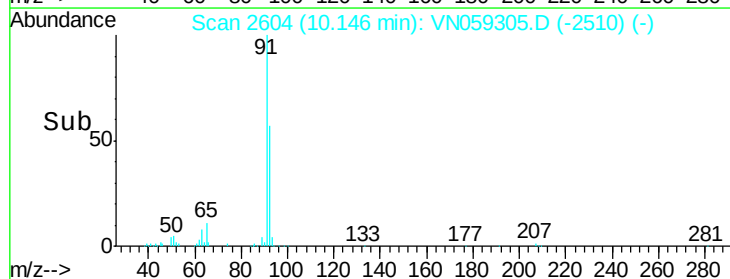
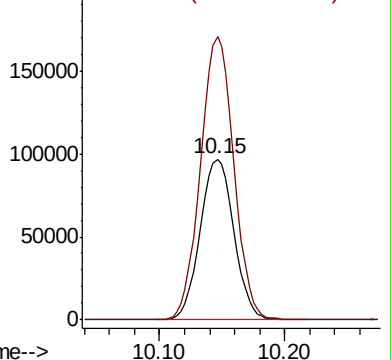
92 100

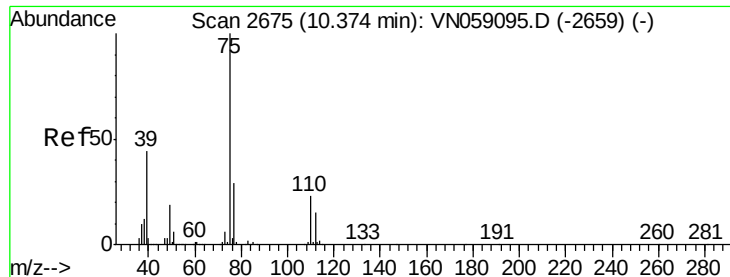
91 173.8 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





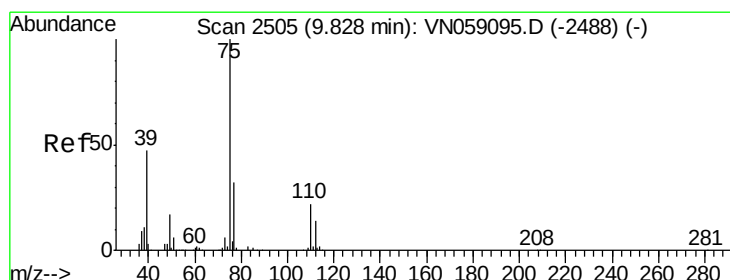
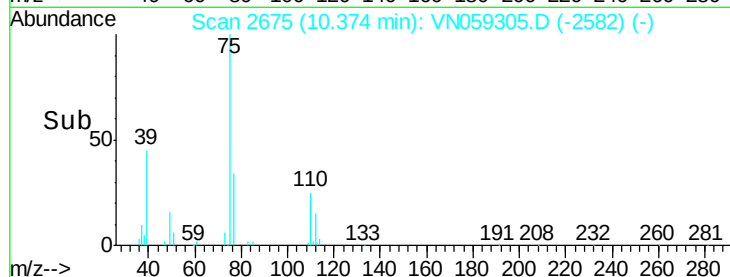
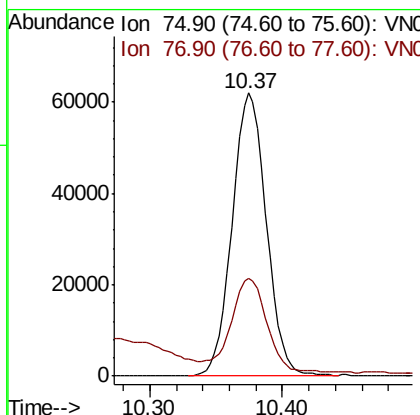
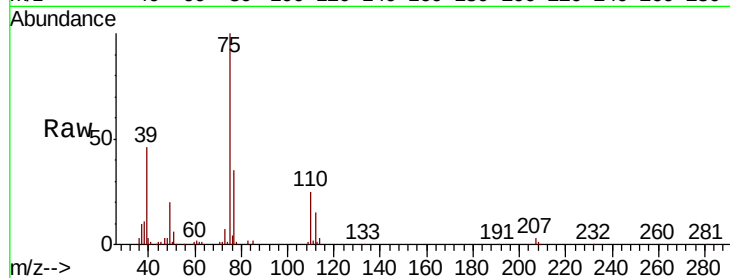
#53
 t-1,3-Dichloropropene
 Concen: 15.445 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9

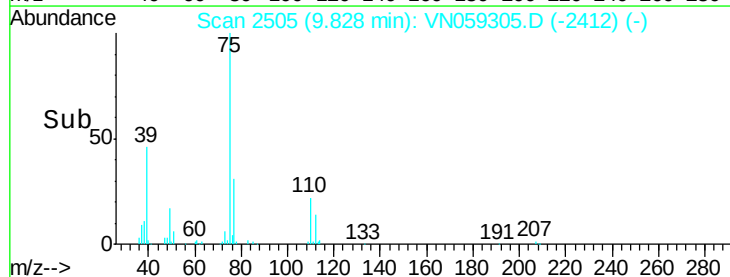
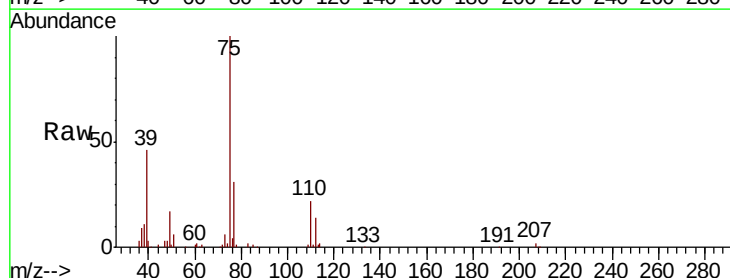
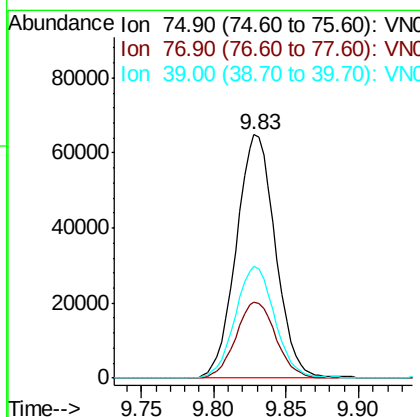
Manual Integrations
 APPROVED

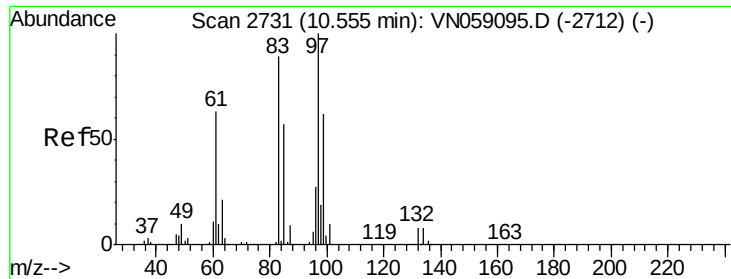
MMDadoda
 11/20/2019 1:37:17 PM



#54
 cis-1,3-Dichloropropene
 Concen: 15.702 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3
39	45.6	37.3	55.9





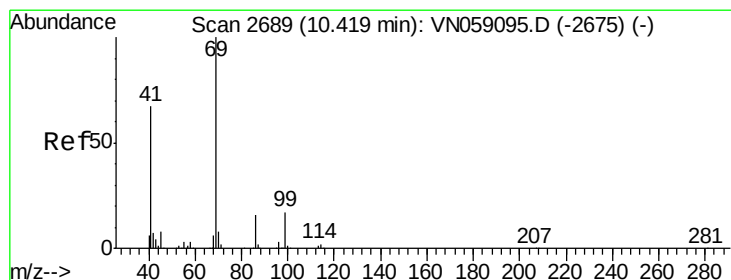
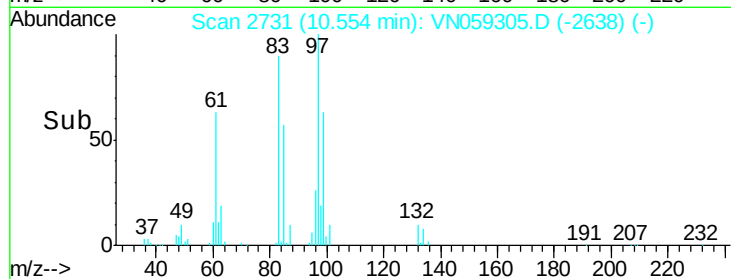
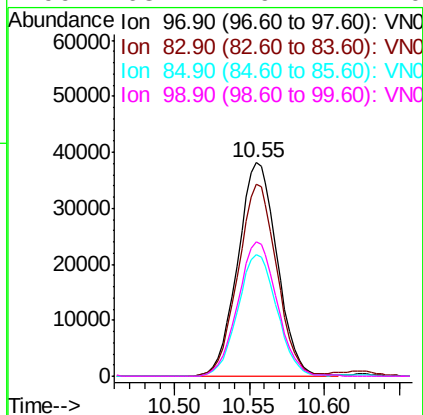
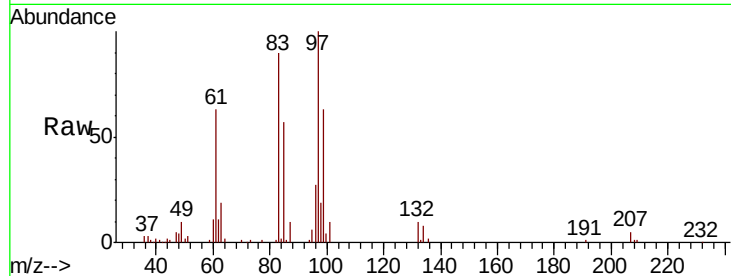
#55
 1,1,2-Trichloroethane
 Concen: 15.622 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Tot Ion	97	Resp:	69838
Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.0	106.4
85	57.0	45.8	68.8
99	63.1	49.4	74.0

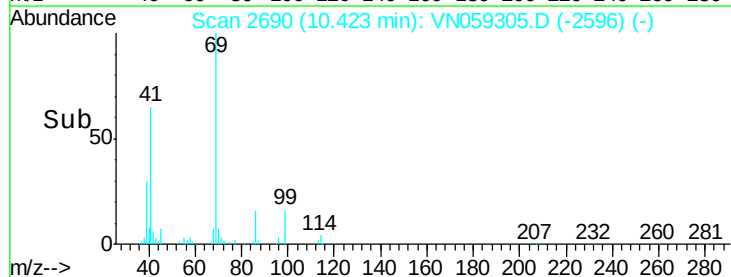
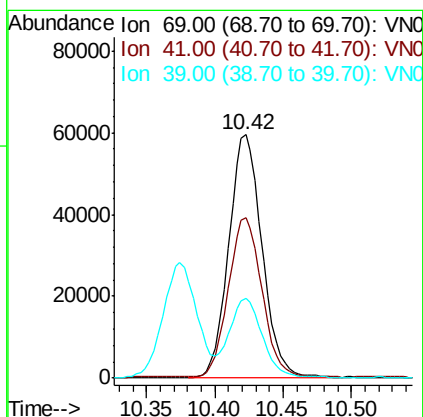
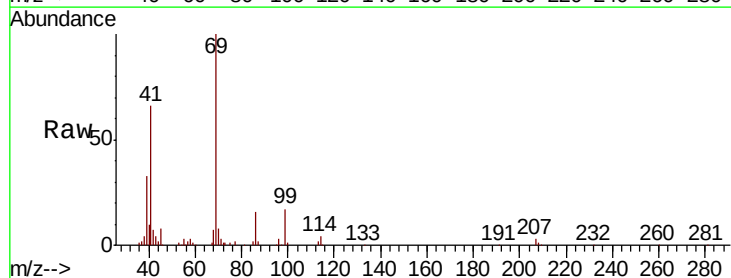
Manual Integrations
 APPROVED

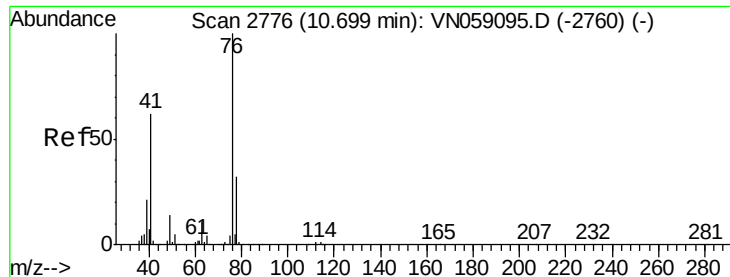
MMDadoda
 11/20/2019 1:37:17 PM



#56
 Ethyl methacrylate
 Concen: 14.938 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Tgt Ion	69	Resp:	101205
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.6	80.4
39	32.3	26.2	39.4





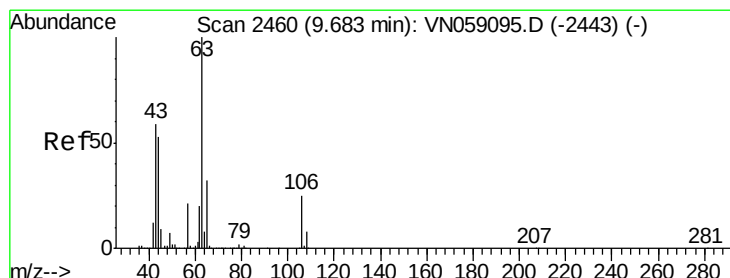
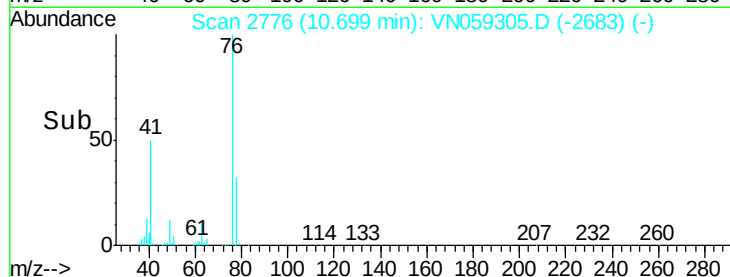
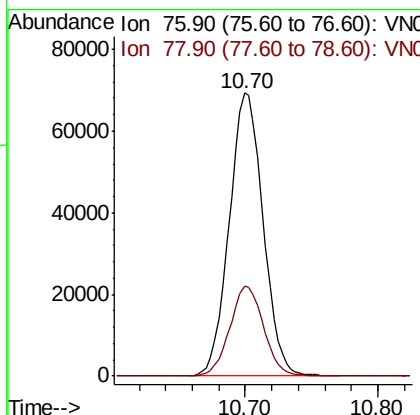
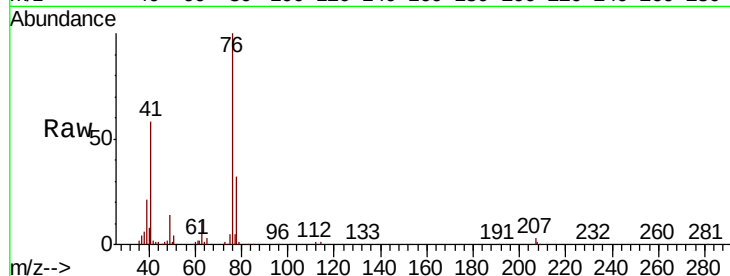
#57
 1,3-Dichloropropane
 Concen: 15.951 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

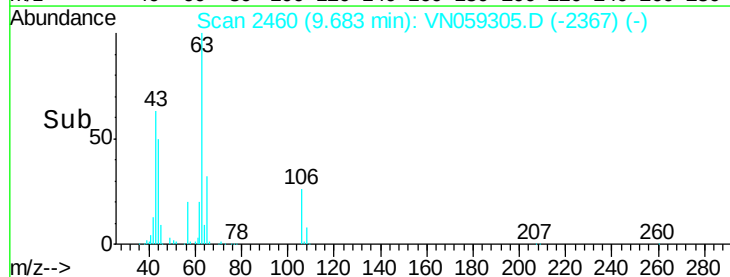
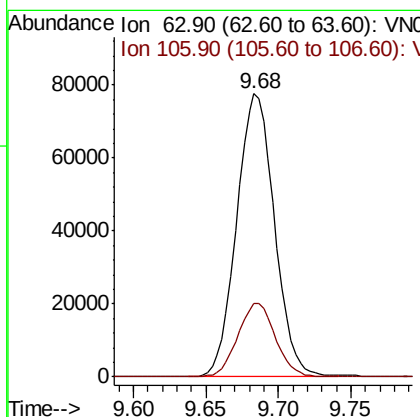
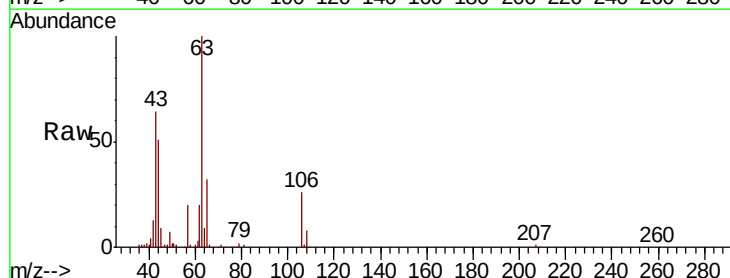
Manual Integrations
 APPROVED

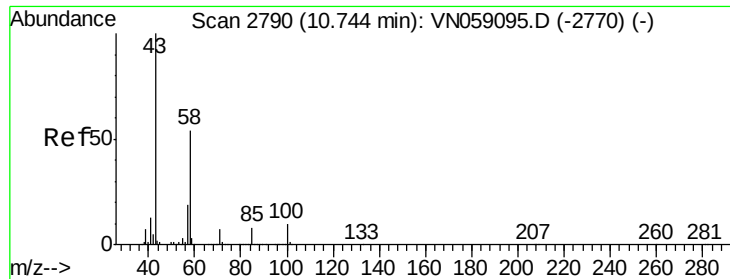
MMDadoda
 11/20/2019 1:37:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 56.507 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	20.2	30.2





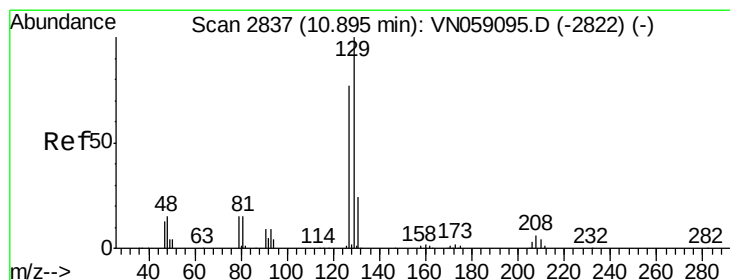
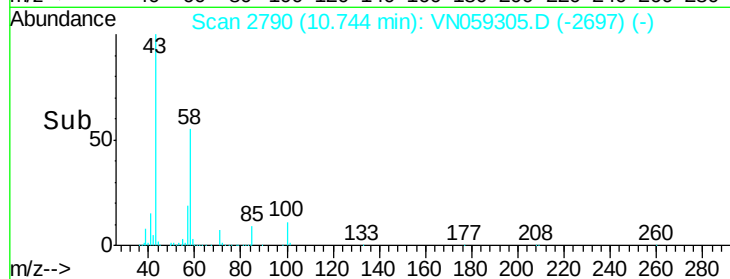
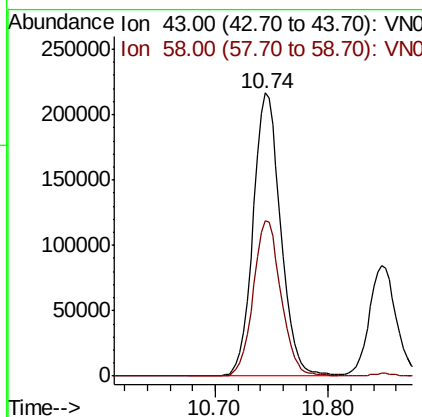
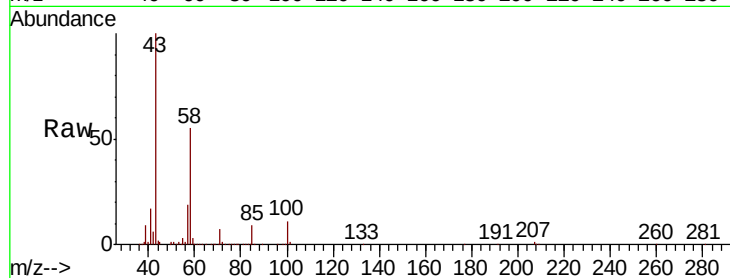
#59
2-Hexanone
Concen: 77.887 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.3	81.8

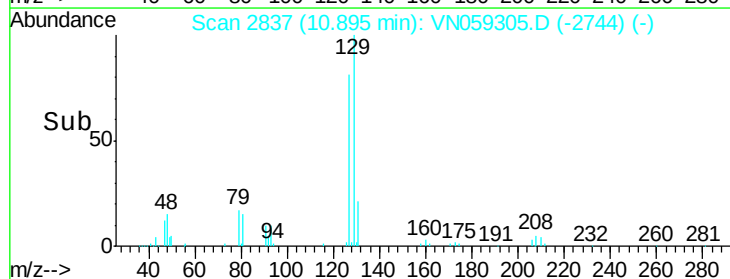
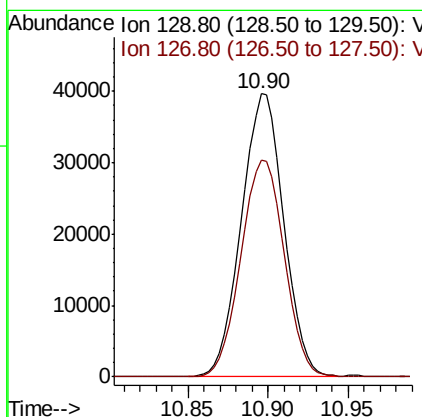
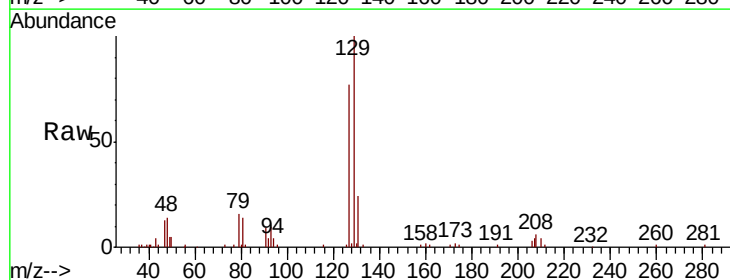
Manual Integrations
APPROVED

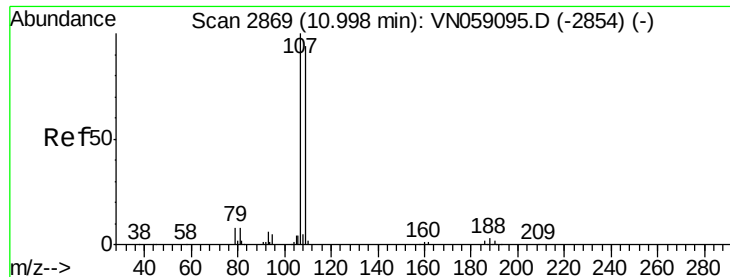
MMDadoda
11/20/2019 1:37:17 PM



#60
Dibromochloromethane
Concen: 15.187 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.6	115.8





#61

1,2-Dibromoethane

Concen: 16.059 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion:107 Resp: 72677

Ion Ratio Lower Upper

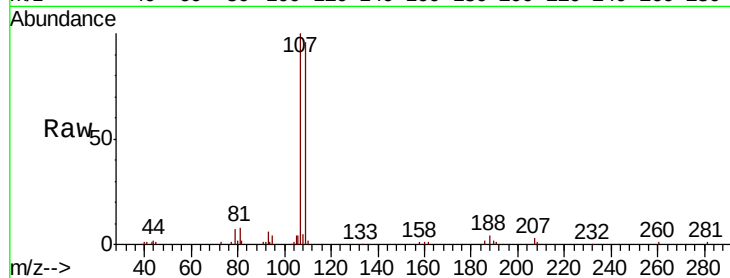
107 100

109 93.7 75.5 113.3

Manual Integrations
APPROVED

MMDadoda

11/20/2019 1:37:17 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

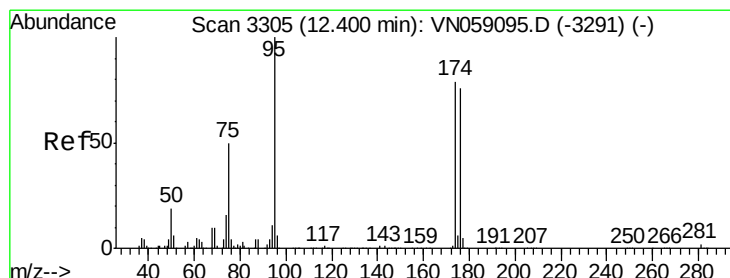
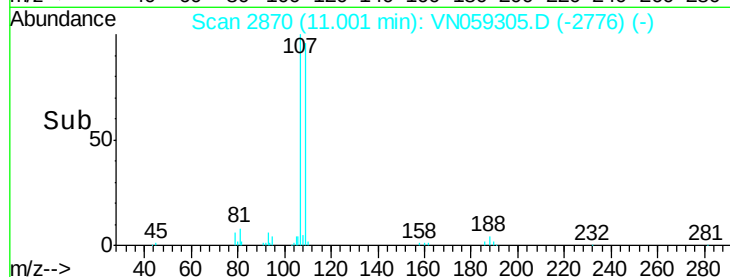
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 41.843 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

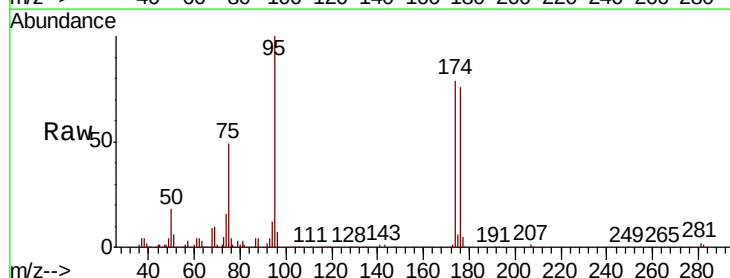
Tgt Ion: 95 Resp: 232332

Ion Ratio Lower Upper

95 100

174 78.1 0.0 158.2

176 76.0 0.0 151.8



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

12.40

150000

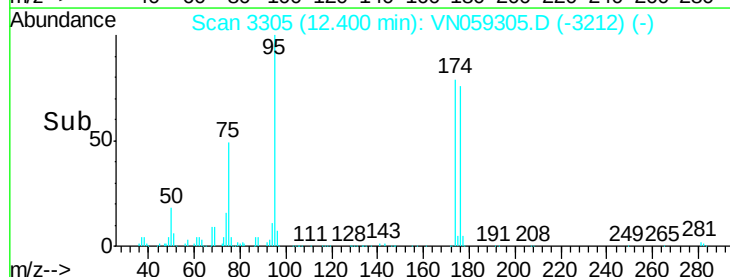
100000

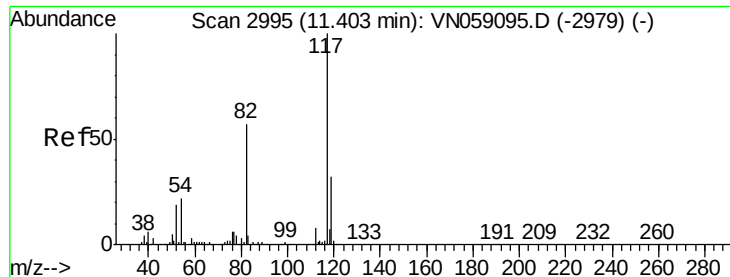
50000

0

Time-->

12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

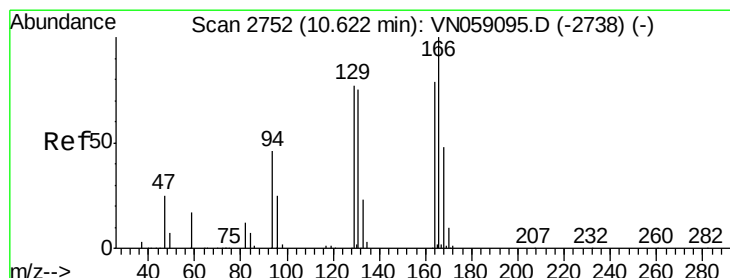
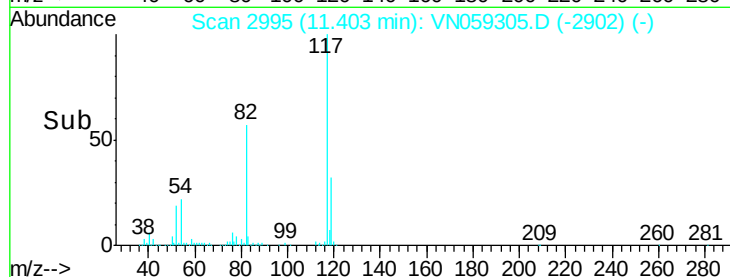
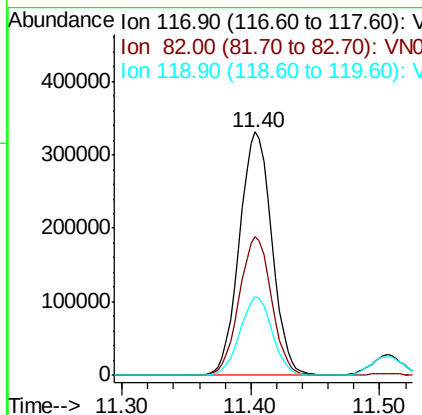
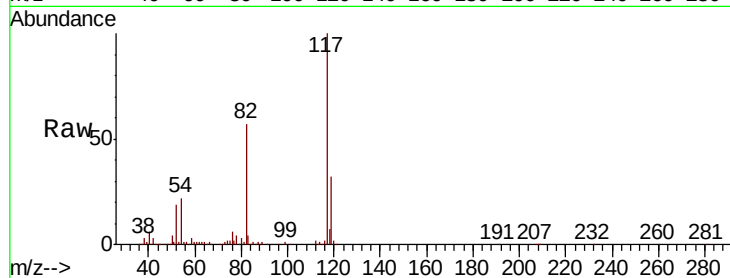
ClientSampleId :

VN1119WBS03

Tot Ion:	117	Resp:	580204
Ion Ratio	Lower	Upper	
117	100		
82	57.1	45.8	68.8
119	32.3	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#64

Tetrachloroethene

Concen: 16.549 ug/l

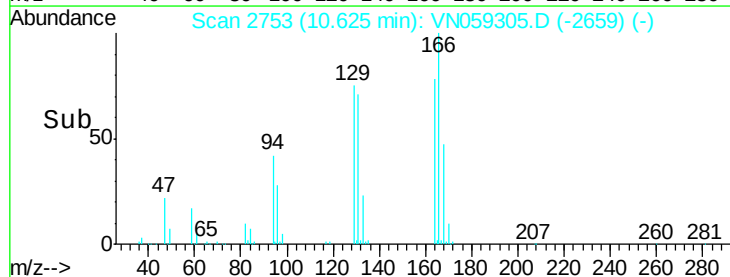
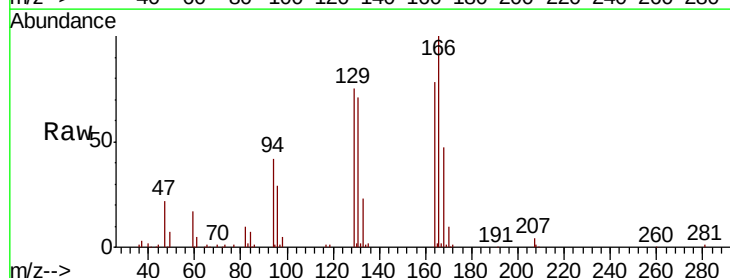
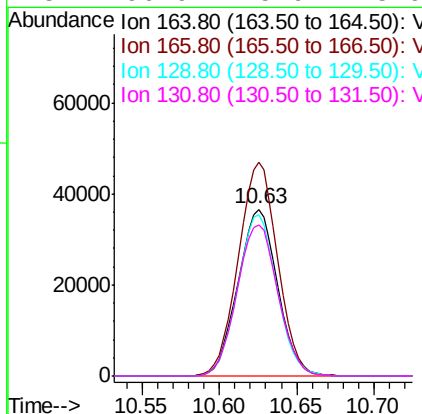
RT: 10.63 min Scan# 2753

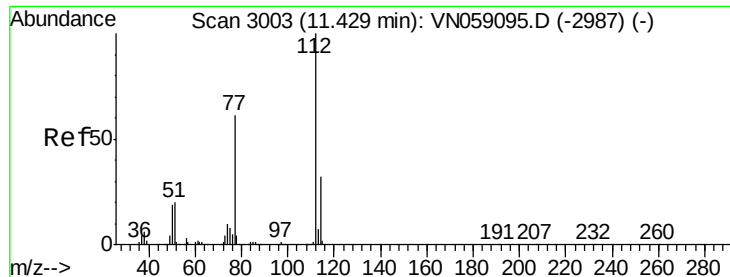
Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion:	164	Resp:	65290
Ion Ratio	Lower	Upper	
164	100		
166	128.2	101.5	152.3
129	96.5	78.3	117.5
131	90.9	75.9	113.9





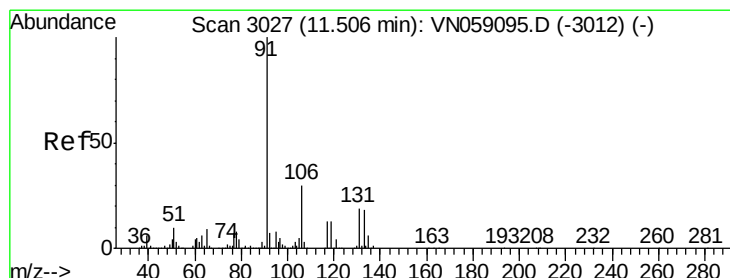
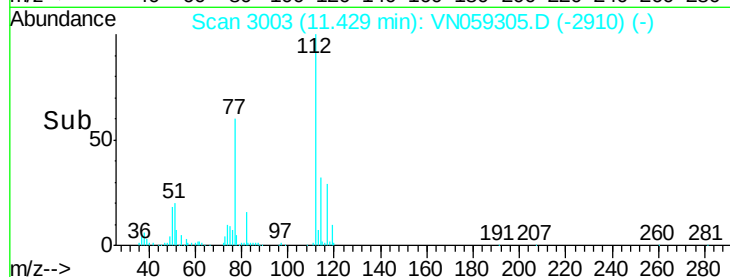
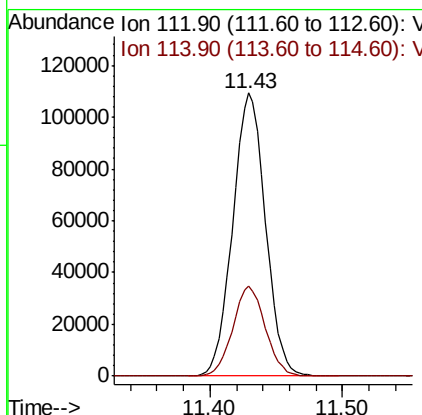
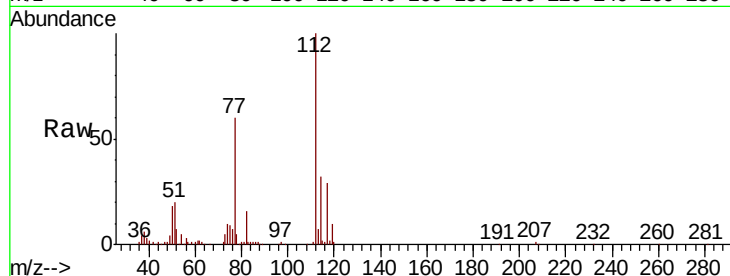
#65
Chlorobenzene
Concen: 16.556 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion:112 Resp: 187252
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

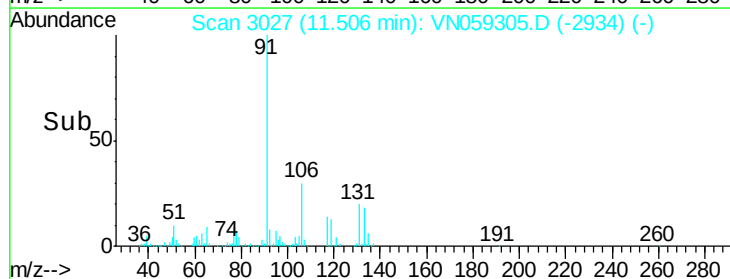
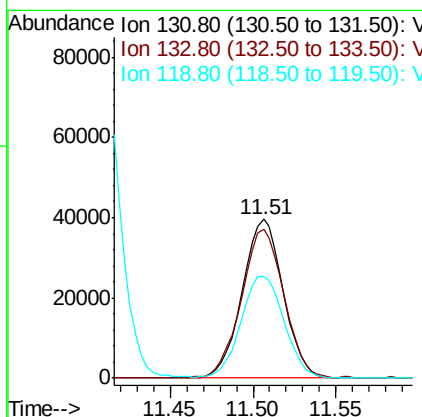
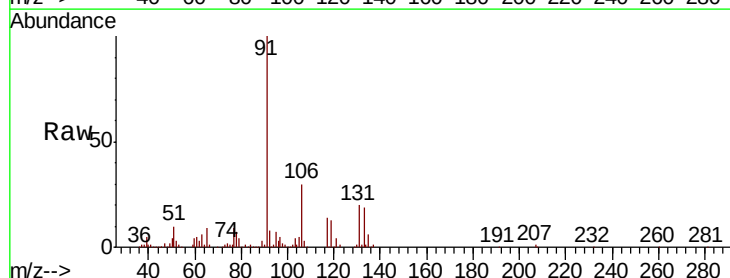
Manual Integrations
APPROVED

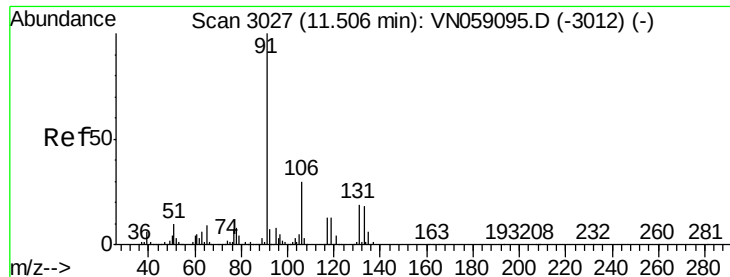
MMDadoda
11/20/2019 1:37:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 15.984 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion:131 Resp: 67816
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.3
119 67.8 33.2 99.6





#67

Ethyl Benzene

Concen: 16.771 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion: 91 Resp: 336554

Ion Ratio Lower Upper

91 100

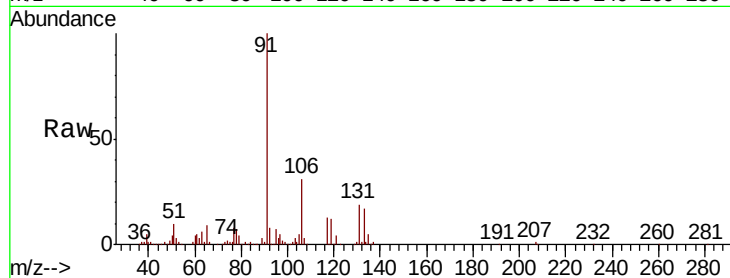
106 30.6 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

11/20/2019 1:37:17 PM



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059095.D (-3012) (-)

300000

250000

200000

150000

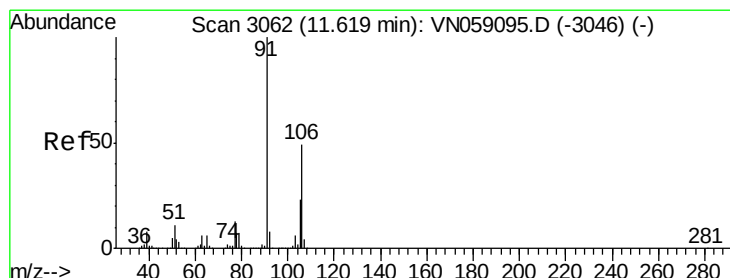
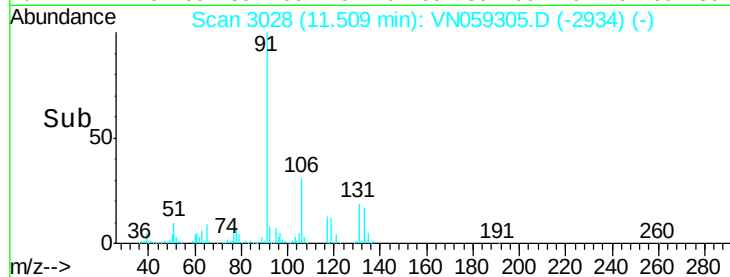
100000

50000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 33.327 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059305.D

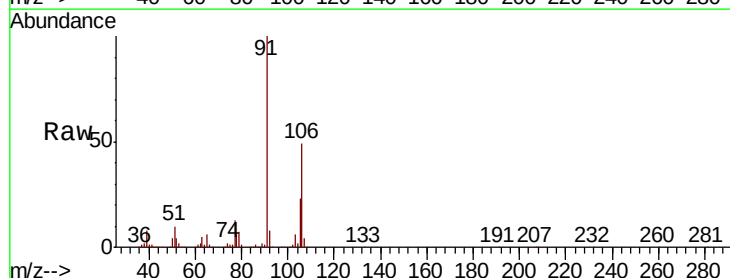
Acq: 19 Nov 2019 14:15

Tgt Ion: 106 Resp: 250520

Ion Ratio Lower Upper

106 100

91 202.7 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059095.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-3046) (-)

300000

250000

200000

150000

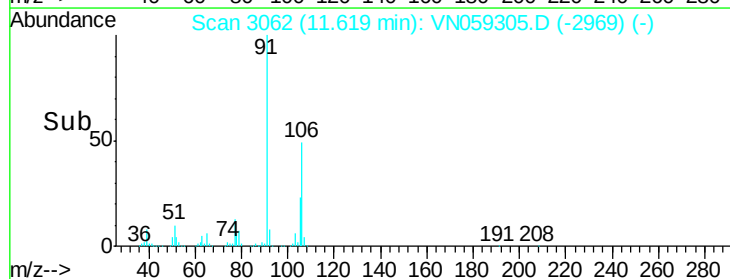
100000

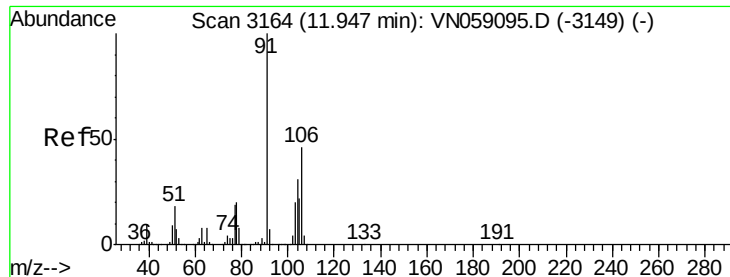
50000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->





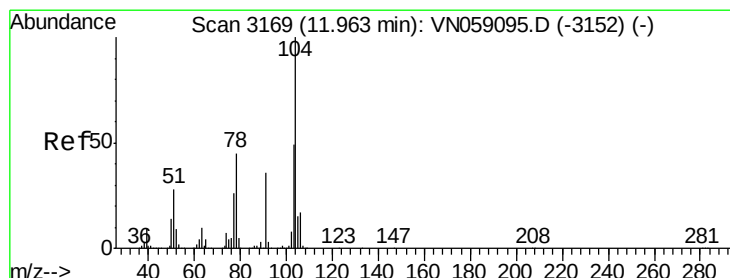
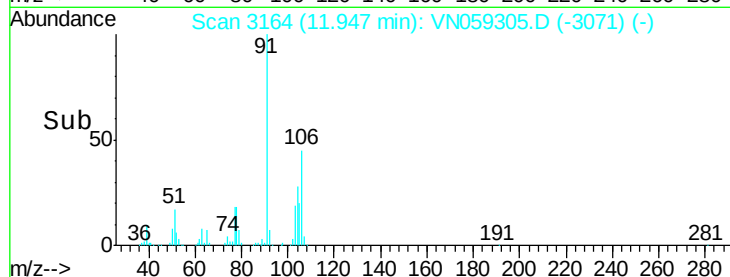
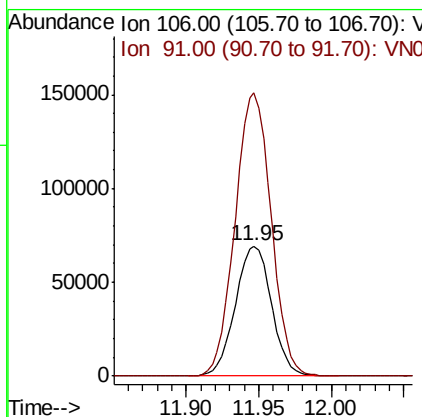
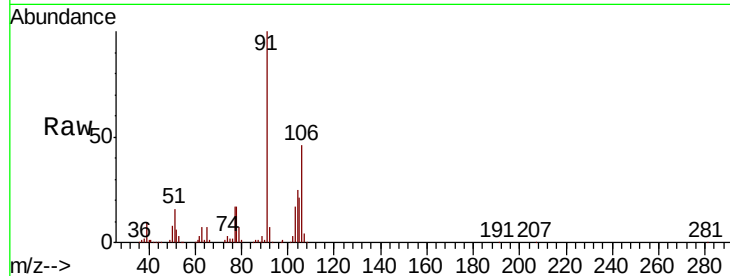
#69
o-Xylene
Concen: 16.492 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	119805		
91	91	218.5	110.1	330.3	

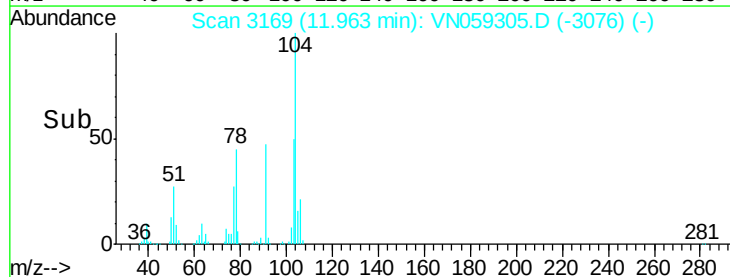
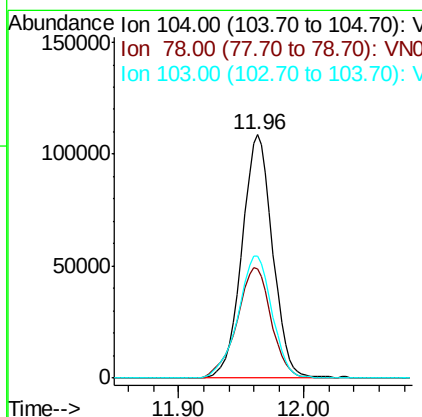
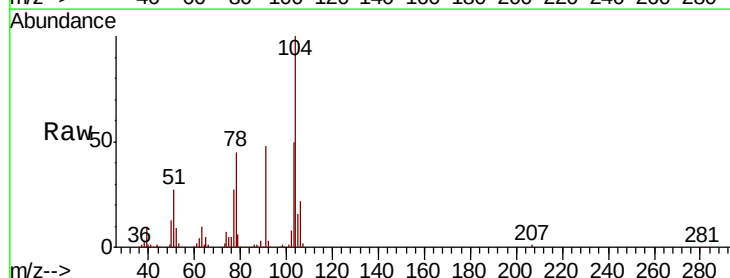
Manual Integrations
APPROVED

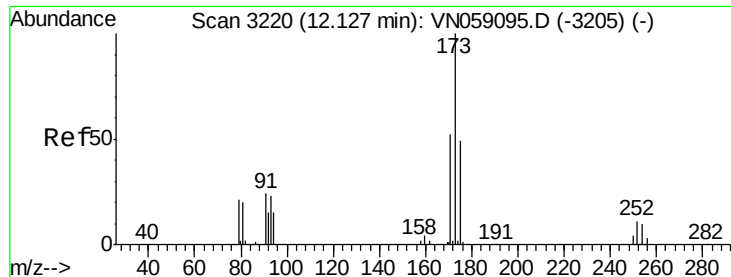
MMDadoda
11/20/2019 1:37:17 PM



#70
Styrene
Concen: 16.169 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	184726		
78	78	50.7	41.2	61.8	
103	103	55.8	43.8	65.6	





#71

Bromoform

Concen: 15.601 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

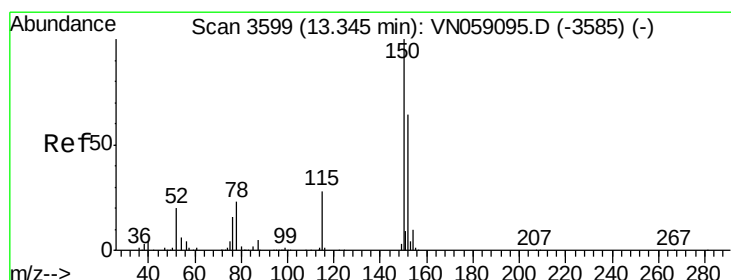
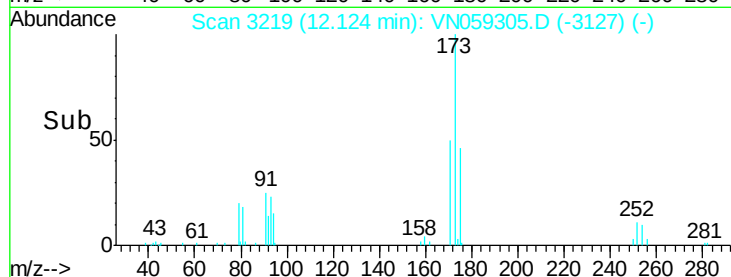
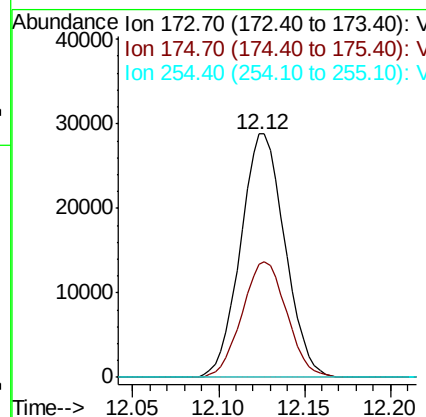
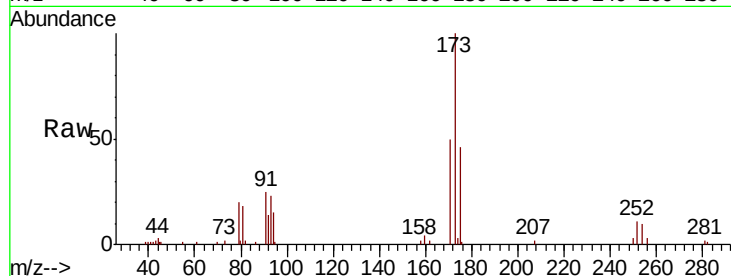
ClientSampleId :

VN1119WBS03

Tot Ion:	173	Resp:	51486
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

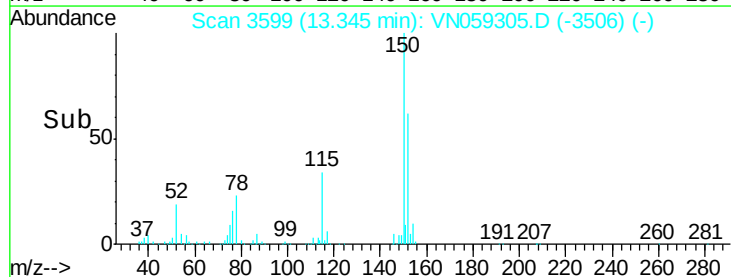
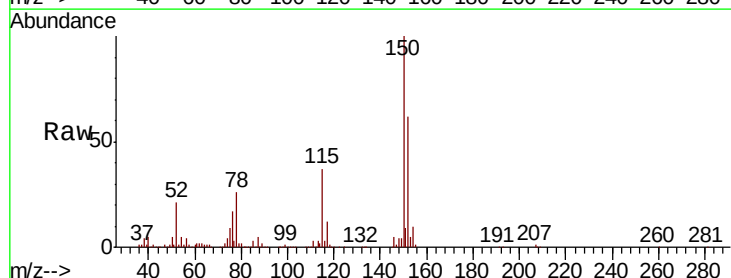
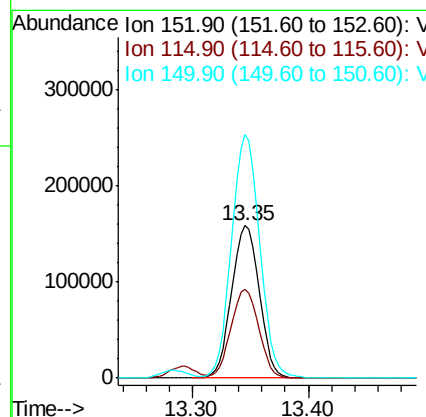
RT: 13.35 min Scan# 3599

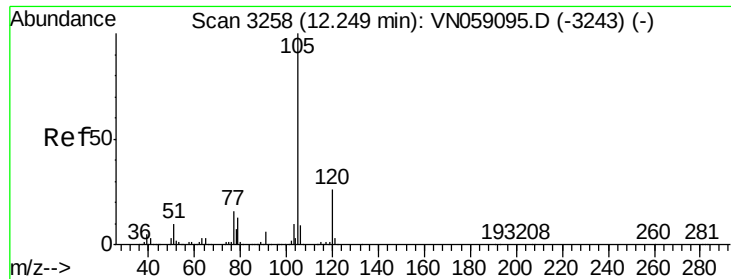
Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion:	152	Resp:	261333
Ion Ratio	Lower	Upper	
152	100		
115	58.2	29.4	88.2
150	162.9	0.0	345.8





#73

Isopropylbenzene

Concen: 16.789 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion: 105 Resp: 319147

Ion Ratio Lower Upper

105 100

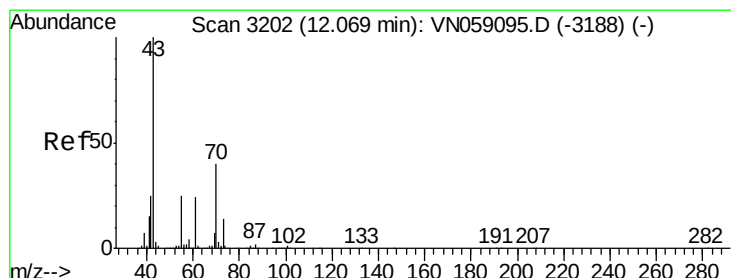
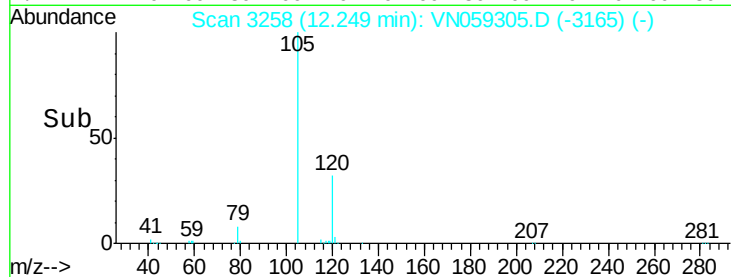
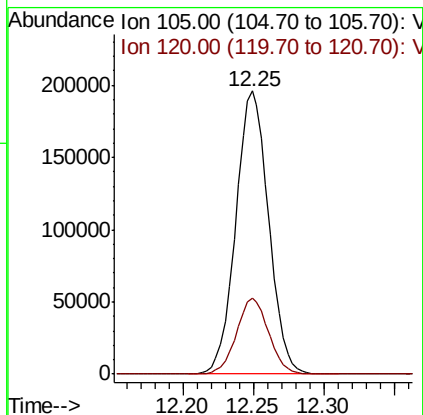
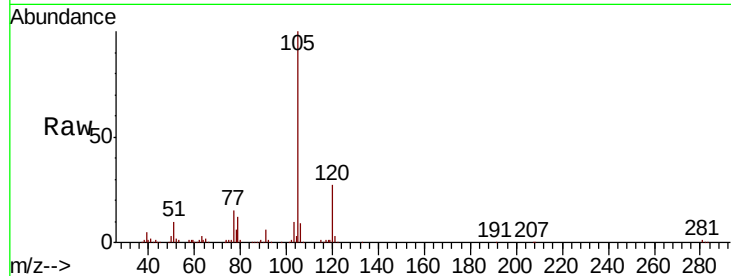
120 26.3 13.1 39.3

Manual Integrations

APPROVED

MMDadoda

11/20/2019 1:37:17 PM



#74

N-ethyl acetate

Concen: 15.050 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion: 43 Resp: 121225

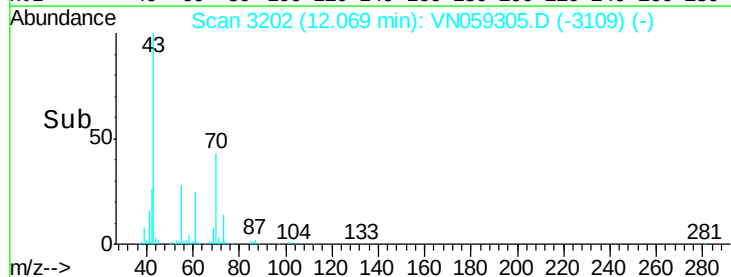
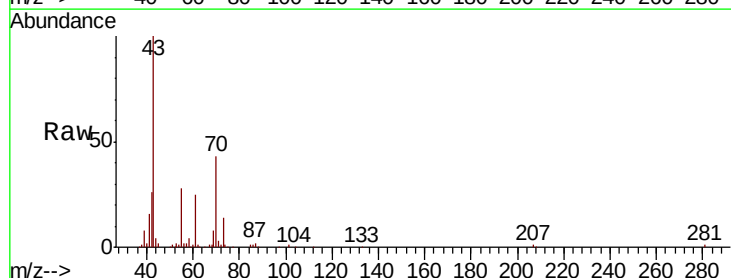
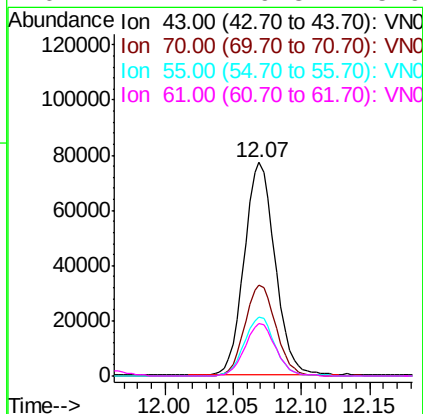
Ion Ratio Lower Upper

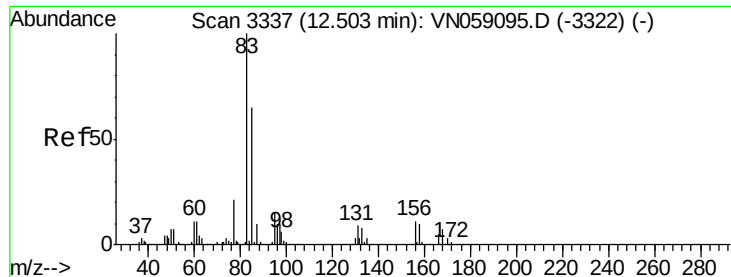
43 100

70 43.2 32.2 48.4

55 27.7 20.4 30.6

61 24.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 16.095 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

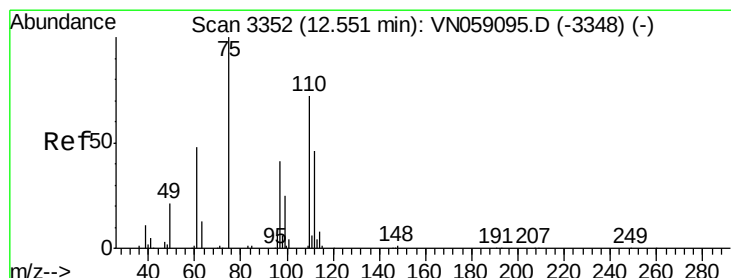
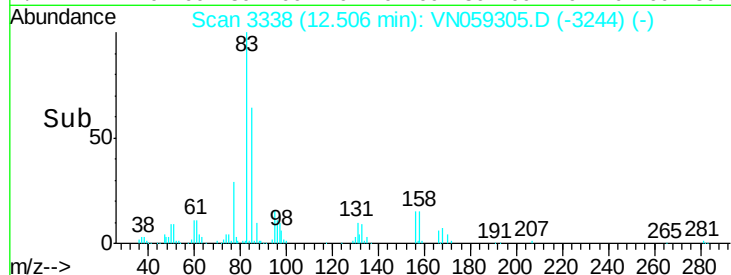
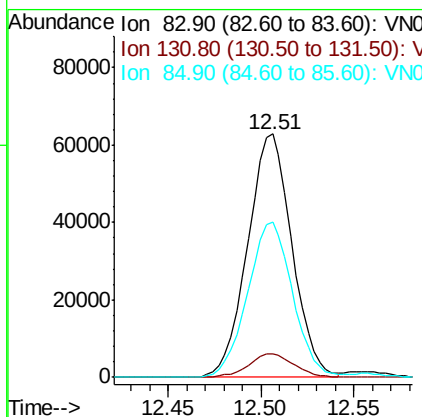
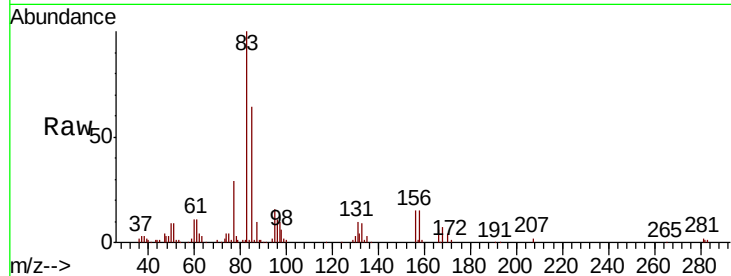
ClientSampleId :

VN1119WBS03

Tot Ion:	83	Resp:	104195
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	64.7	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#76

1,2,3-Trichloropropane

Concen: 15.990 ug/l m

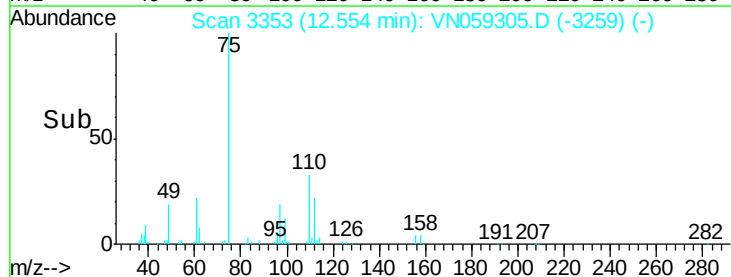
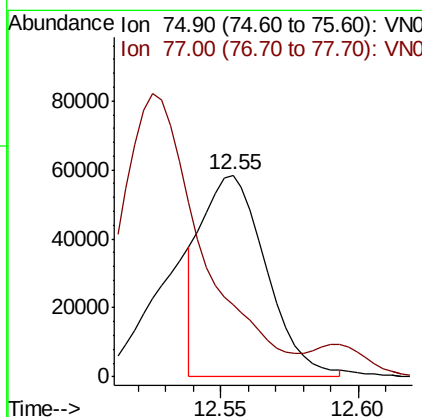
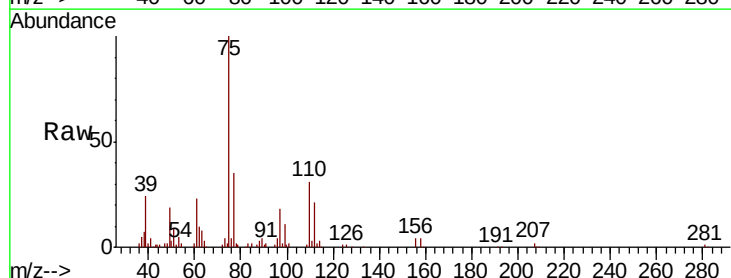
RT: 12.55 min Scan# 3353

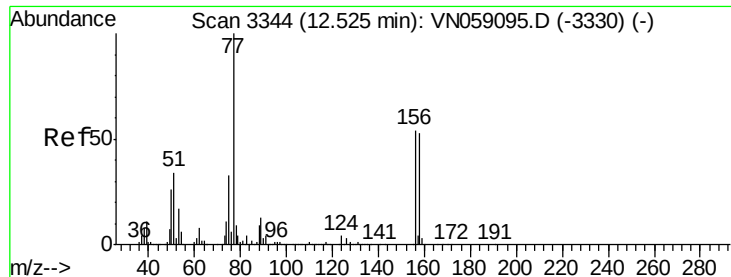
Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion:	75	Resp:	95135
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 16.088 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

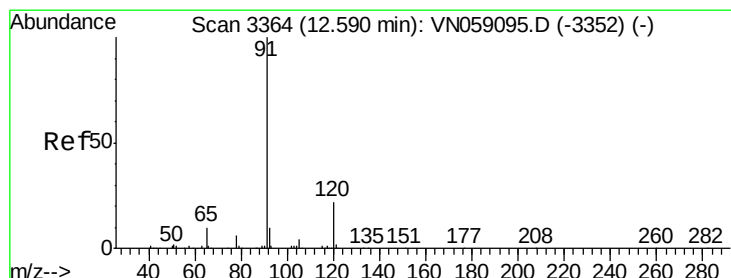
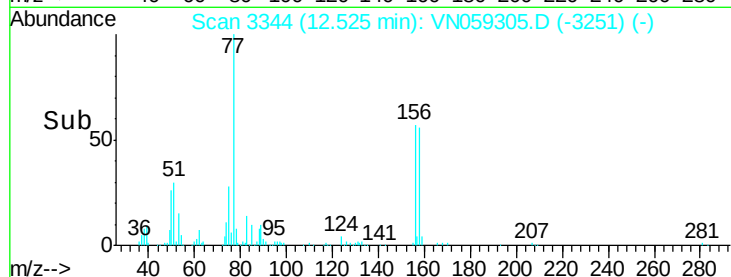
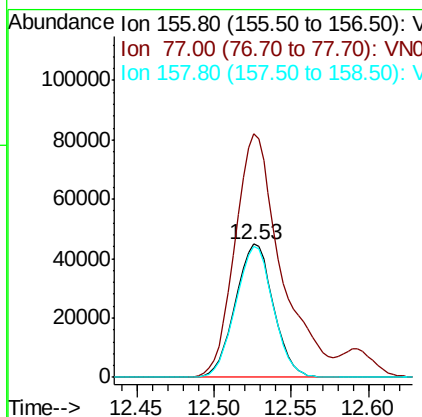
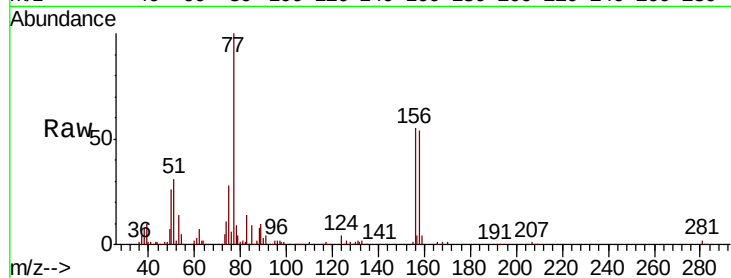
ClientSampleId :

VN1119WBS03

Tot Ion:	156	Resp:	76835
Ion Ratio	Lower	Upper	
156	100		
77	221.2	112.8	338.3
158	97.0	48.4	145.3

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#78

n-propylbenzene

Concen: 16.660 ug/l

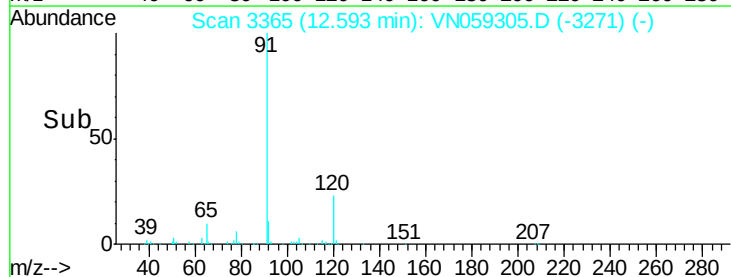
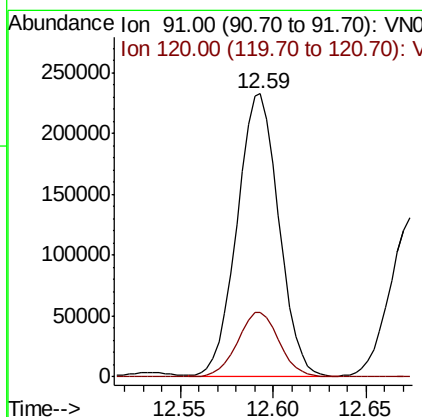
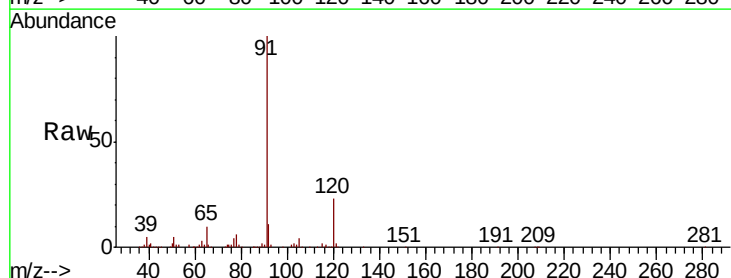
RT: 12.59 min Scan# 3365

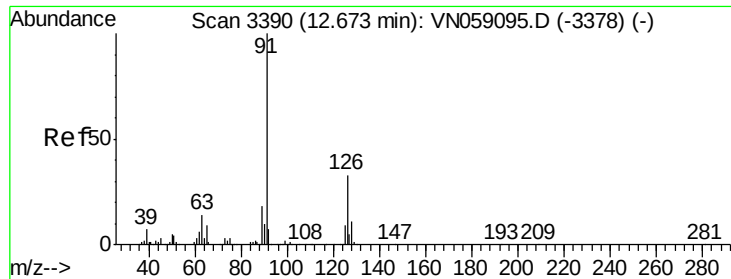
Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion:	91	Resp:	362615
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 16.191 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion: 91 Resp: 218616

Ion Ratio Lower Upper

91 100

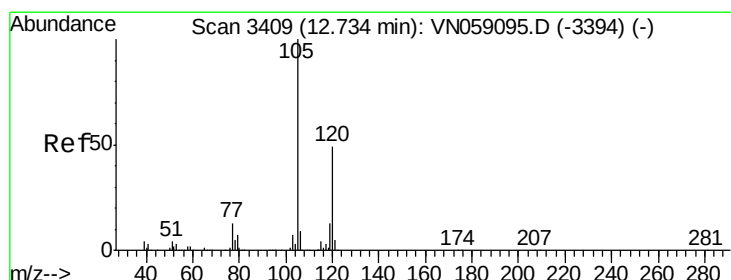
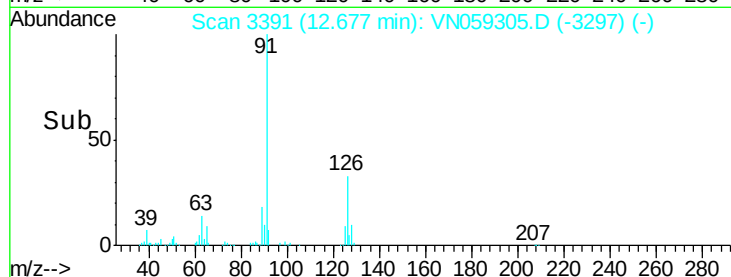
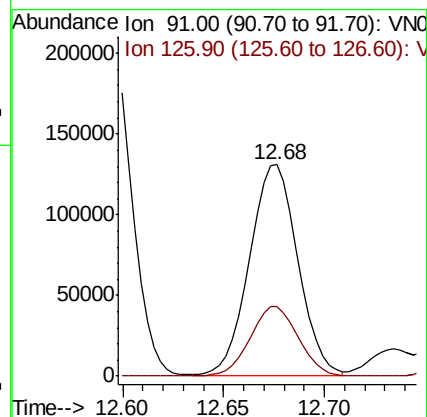
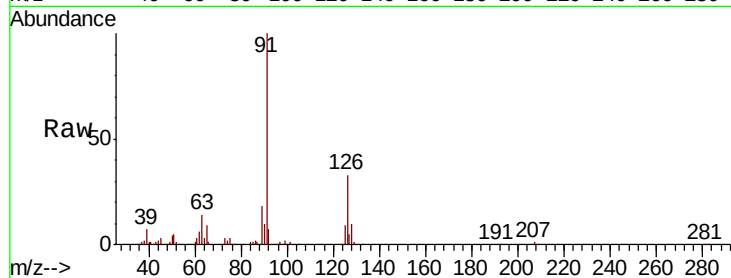
126 33.1 16.7 50.1

Manual Integrations

APPROVED

MMDadoda

11/20/2019 1:37:17 PM



#80

1,3,5-Trimethylbenzene

Concen: 16.578 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059305.D

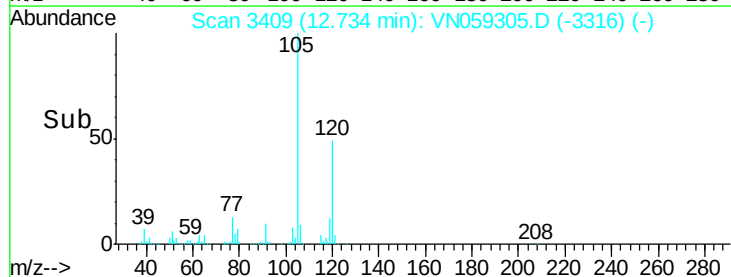
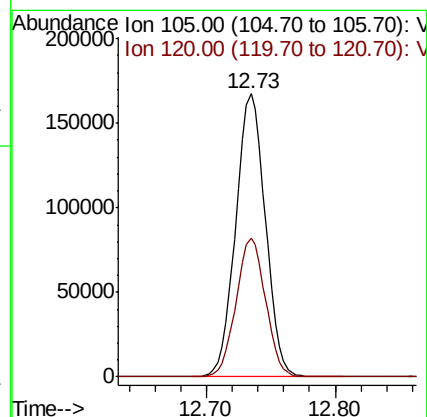
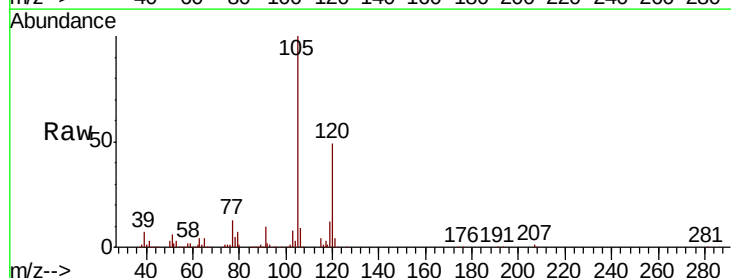
Acq: 19 Nov 2019 14:15

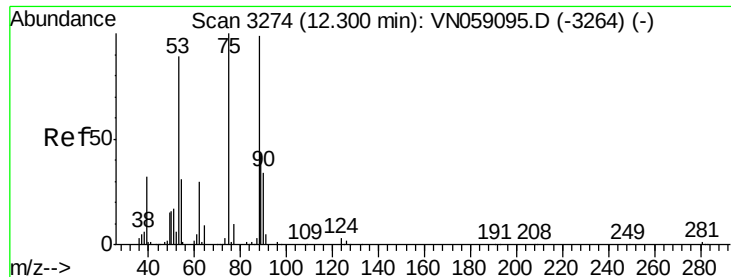
Tgt Ion: 105 Resp: 267026

Ion Ratio Lower Upper

105 100

120 48.8 24.0 72.0





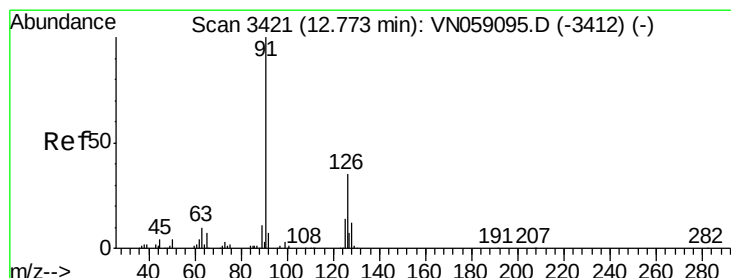
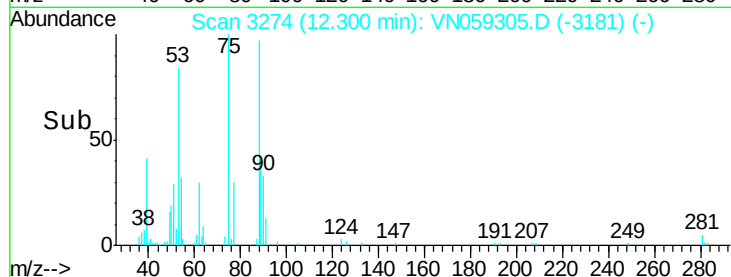
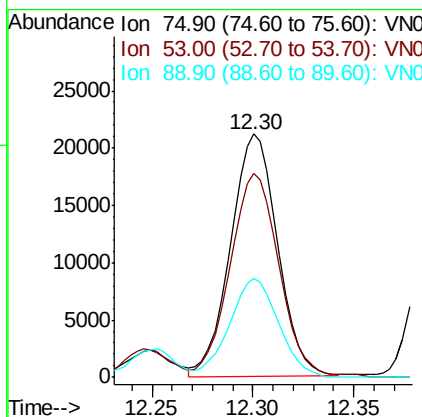
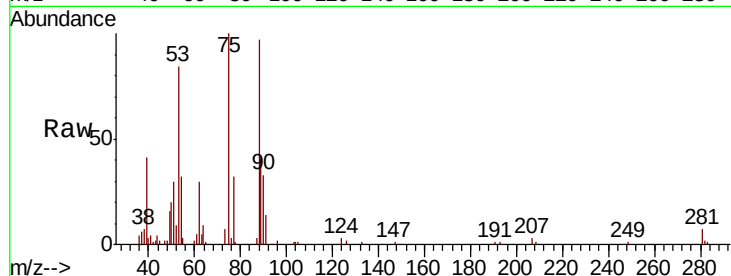
#81
trans-1,4-Dichloro-2-butene
Concen: 15.322 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.6	72.2	108.2
89	42.3	35.8	53.8

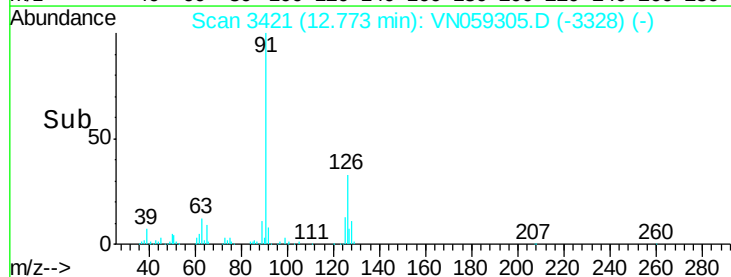
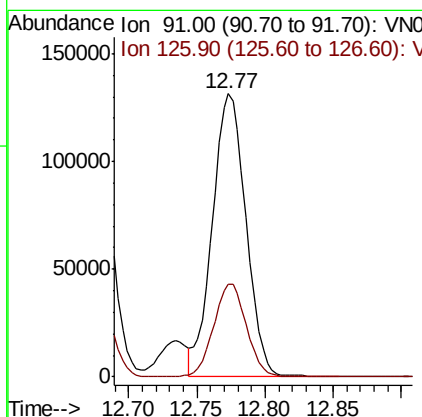
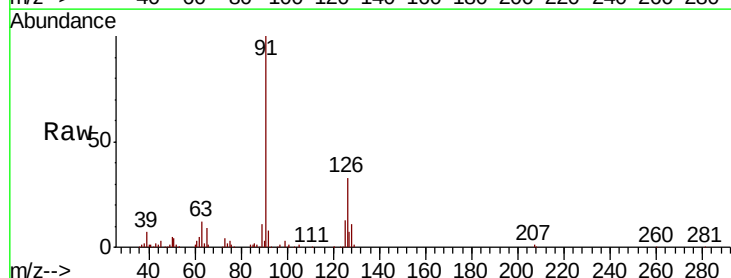
Manual Integrations
APPROVED

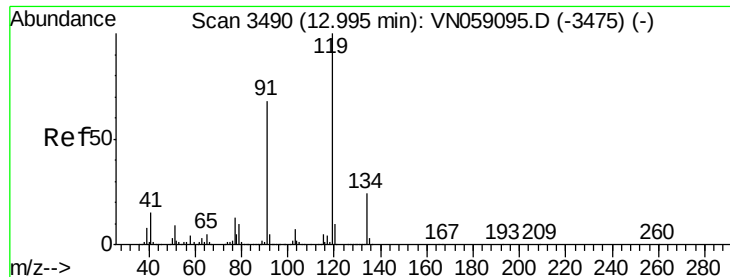
MMDadoda
11/20/2019 1:37:17 PM



#82
4-Chlorotoluene
Concen: 16.503 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.2





#83

tert-Butylbenzene

Concen: 16.386 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

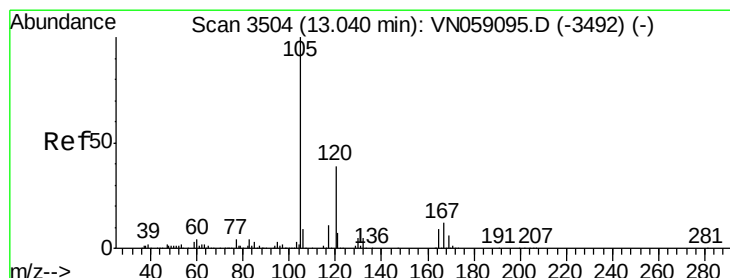
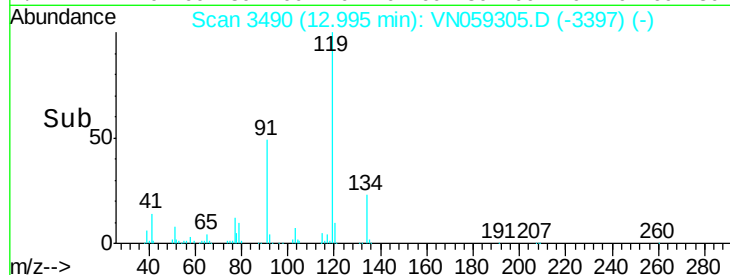
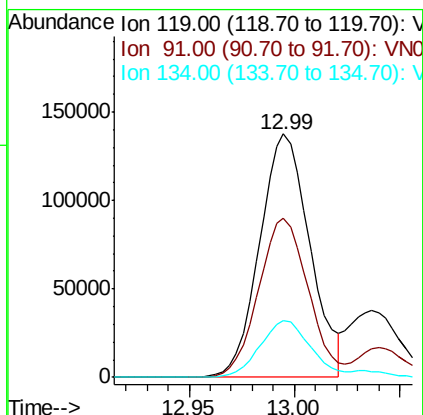
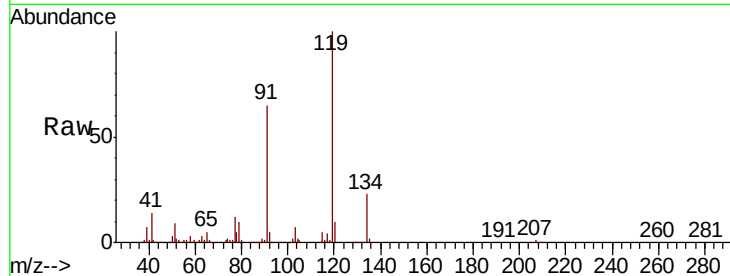
ClientSampleId :

VN1119WBS03

Tot Ion:	119	Resp:	227939
Ion Ratio	Lower	Upper	
119	100		
91	64.8	33.2	99.6
134	23.6	12.7	38.1

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#84

1,2,4-Trimethylbenzene

Concen: 16.697 ug/l

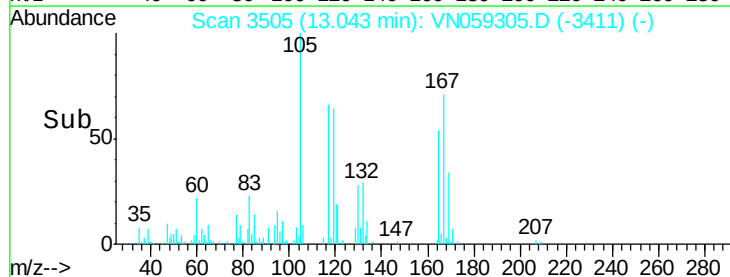
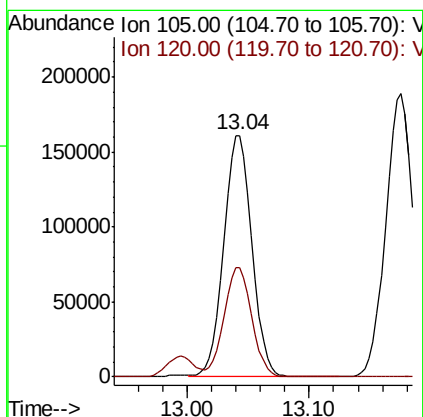
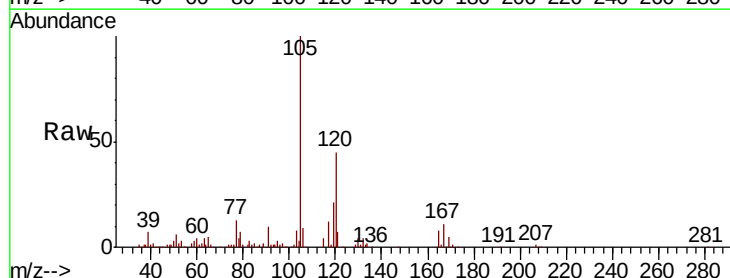
RT: 13.04 min Scan# 3505

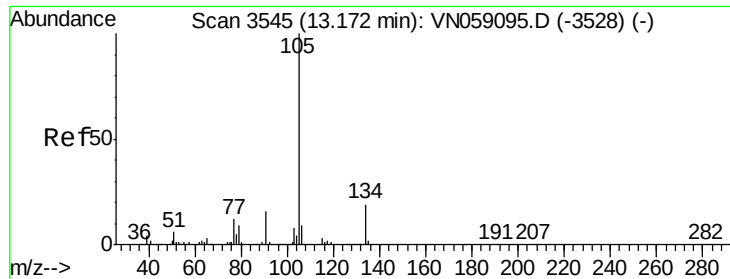
Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion:	105	Resp:	260203
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.8	68.4





#85

sec-Butylbenzene

Concen: 16.711 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS03

Tot Ion:105 Resp: 302316

Ion Ratio Lower Upper

105 100

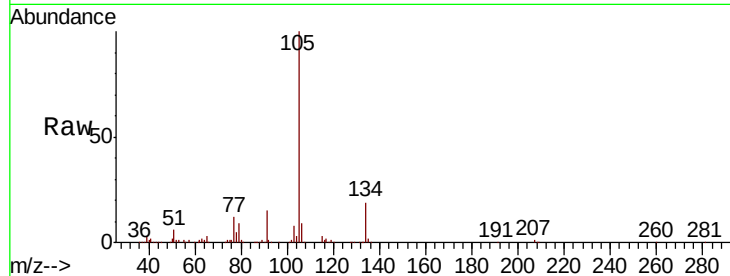
134 19.2 9.7 29.1

Manual Integrations

APPROVED

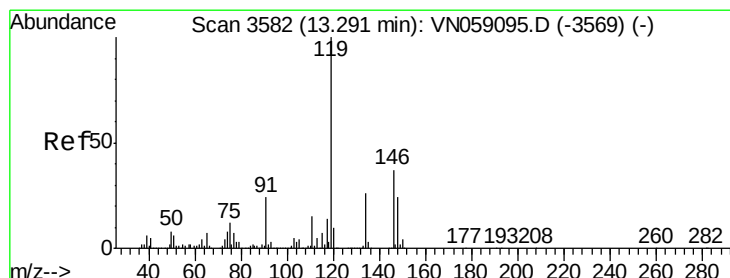
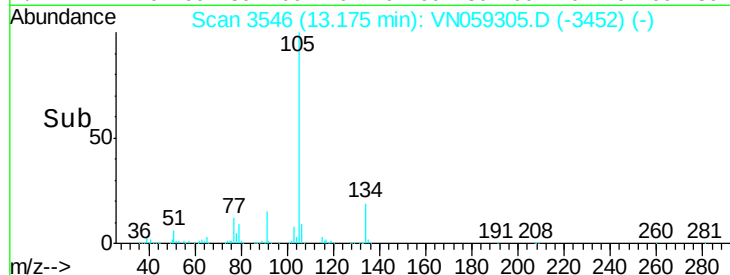
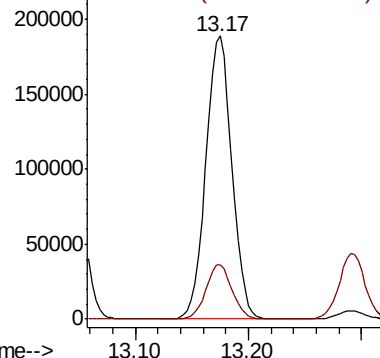
MMDadoda

11/20/2019 1:37:17 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.622 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

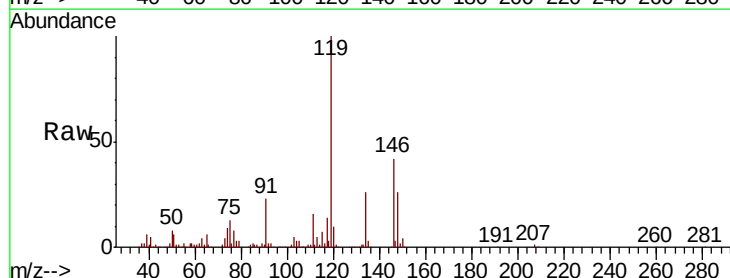
Tgt Ion:119 Resp: 265514

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

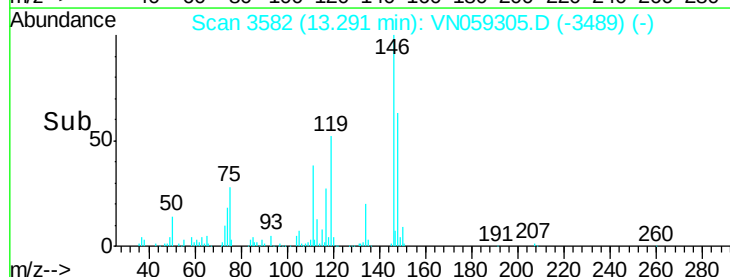
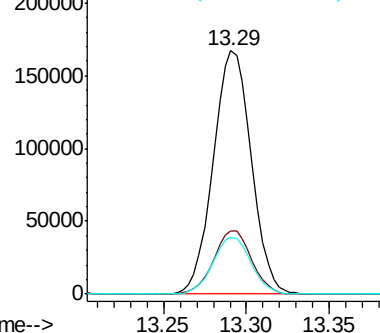
91 23.7 11.7 35.1

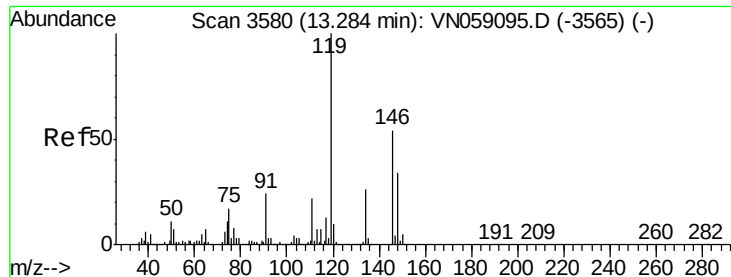


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 16.260 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059305.D

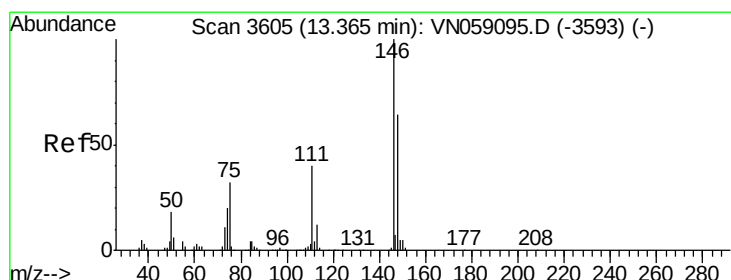
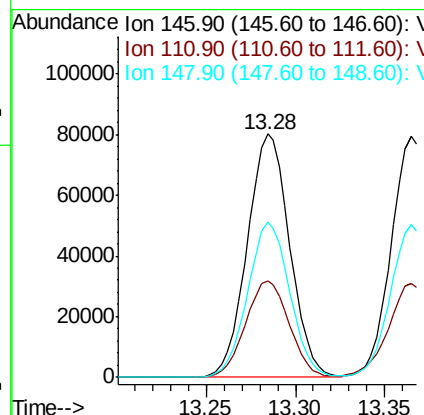
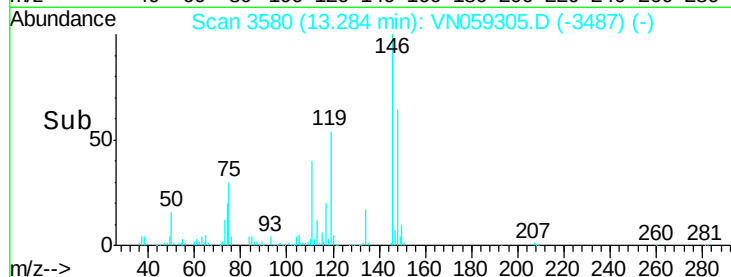
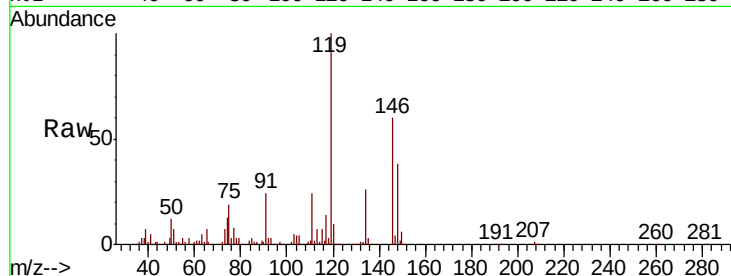
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	63.4	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM



#88

1,4-Dichlorobenzene

Concen: 15.933 ug/l

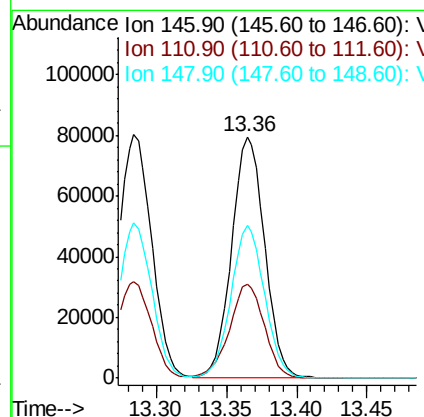
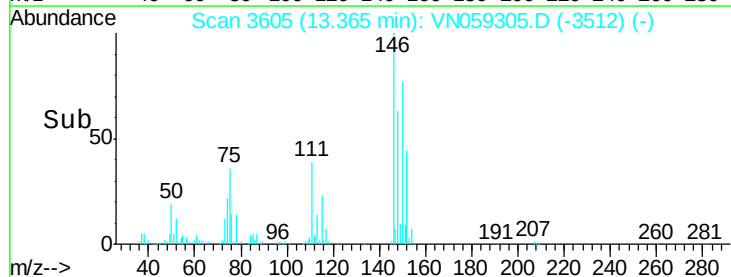
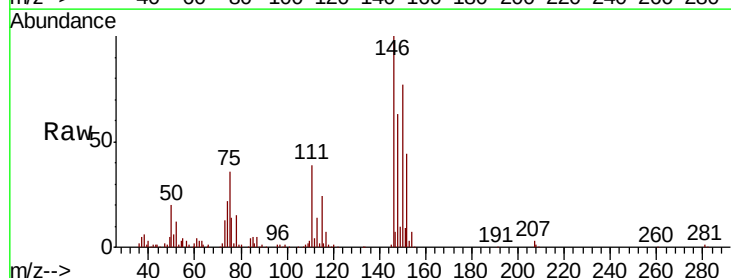
RT: 13.36 min Scan# 3605

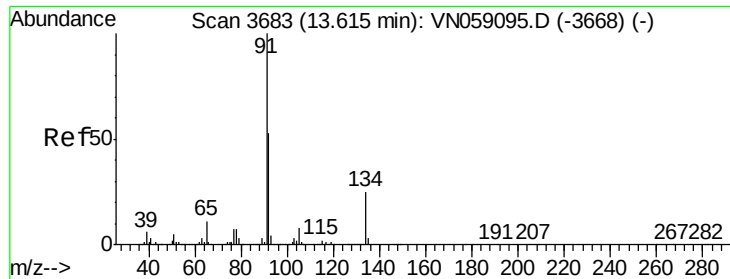
Delta R.T. -0.00 min

Lab File: VN059305.D

Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	64.2	31.9	95.7





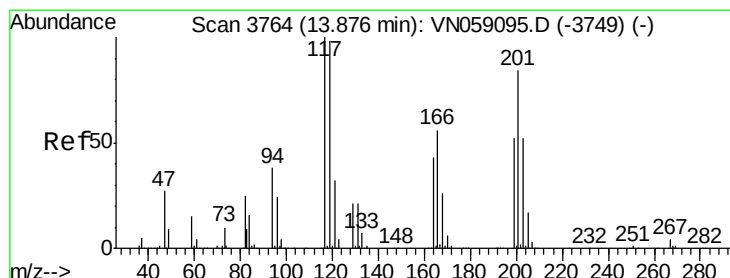
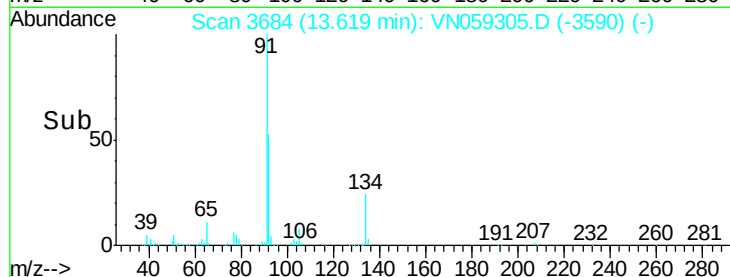
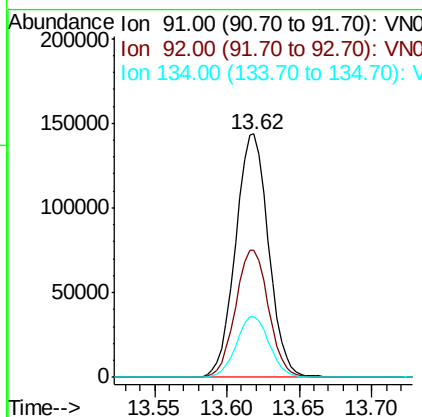
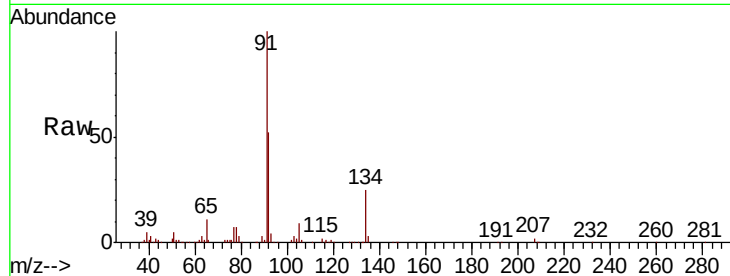
#89
n-Butylbenzene
Concen: 16.223 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.3
134	25.2	12.6	37.8

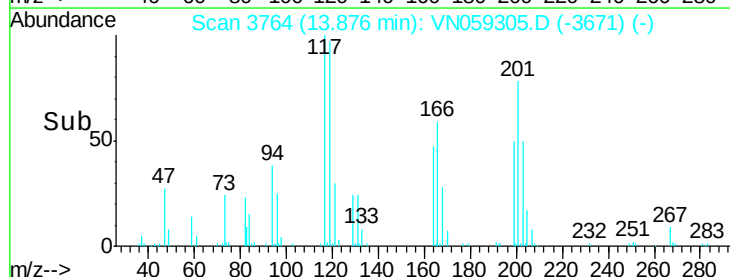
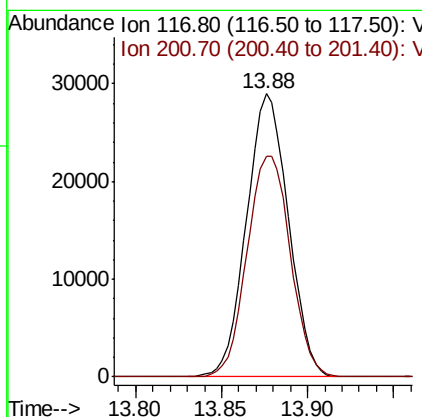
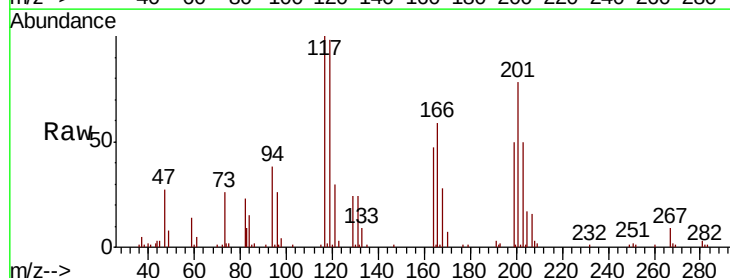
Manual Integrations
APPROVED

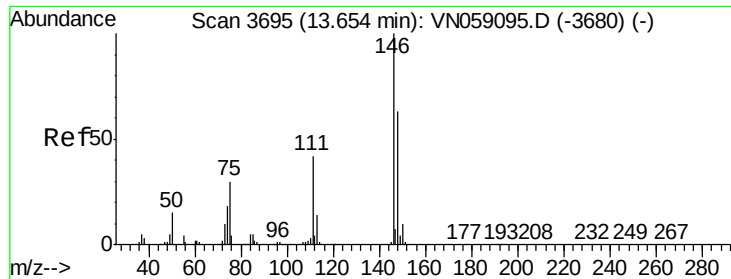
MMDadoda
11/20/2019 1:37:17 PM



#90
Hexachloroethane
Concen: 15.299 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	41.8	125.3





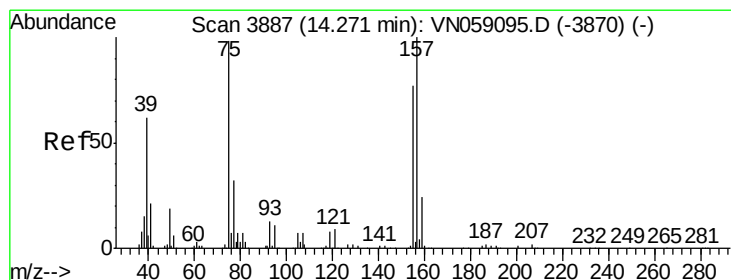
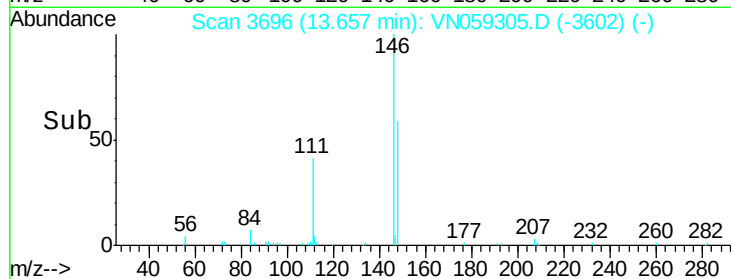
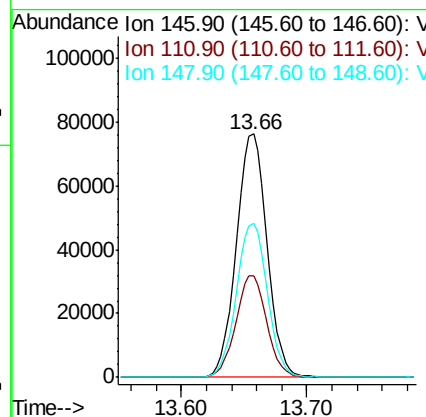
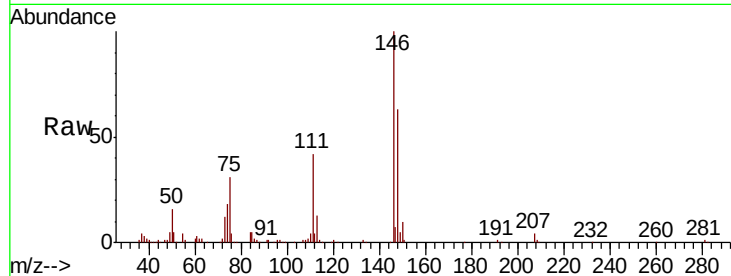
#91
 1,2-Dichlorobenzene
 Concen: 16.128 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.2	63.6
148	64.0	31.6	94.7

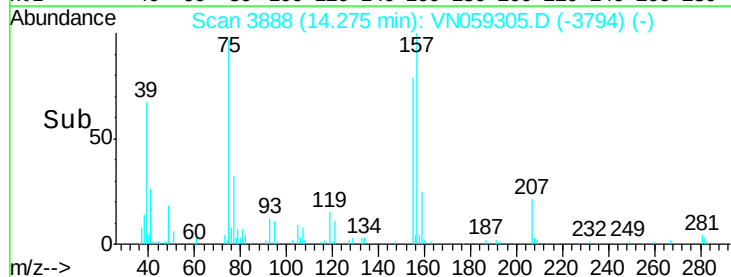
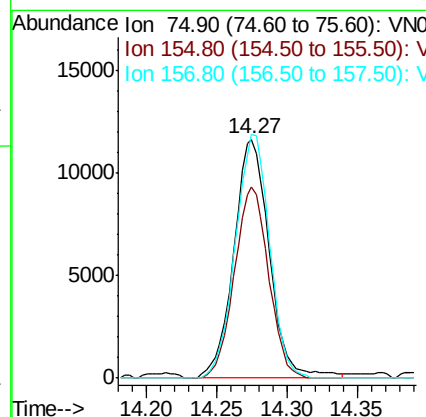
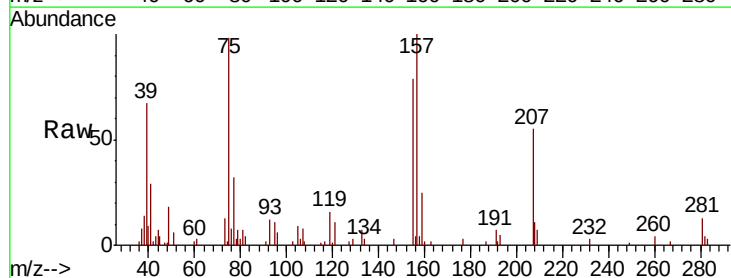
Manual Integrations
 APPROVED

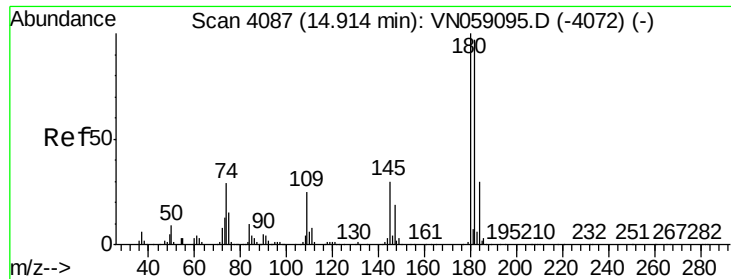
MMDadoda
 11/20/2019 1:37:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.978 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	40.2	120.6
157	97.9	51.8	155.5





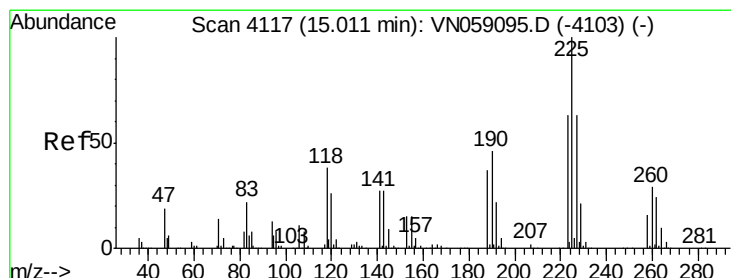
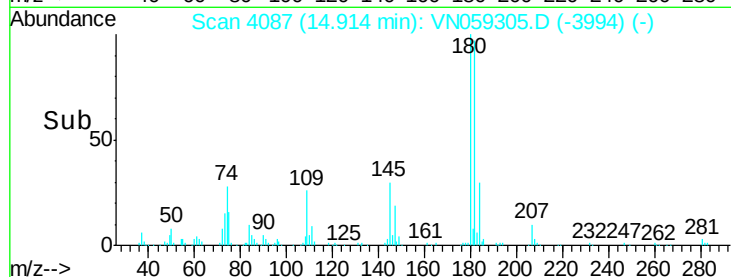
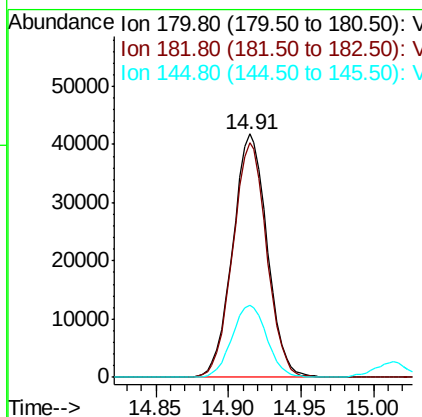
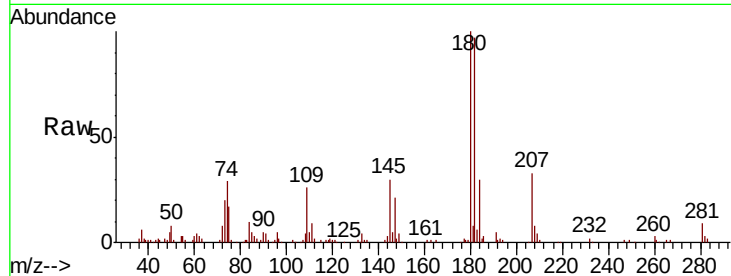
#93
 1,2,4-Trichlorobenzene
 Concen: 16.291 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	30.1	15.1	45.3

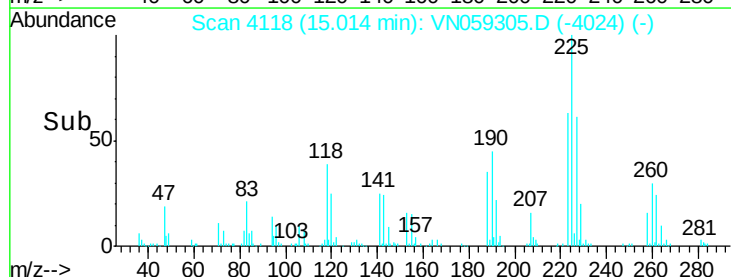
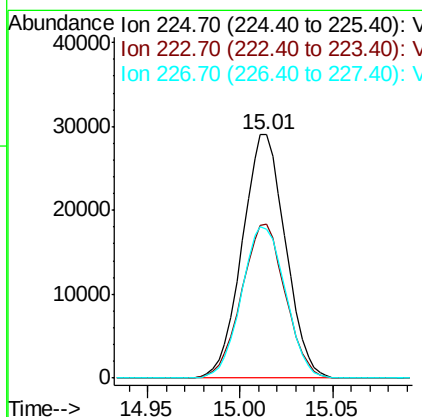
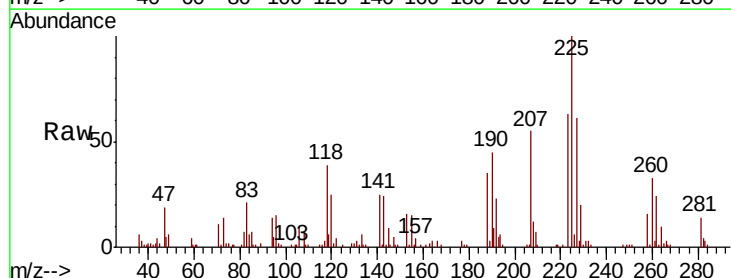
Manual Integrations
 APPROVED

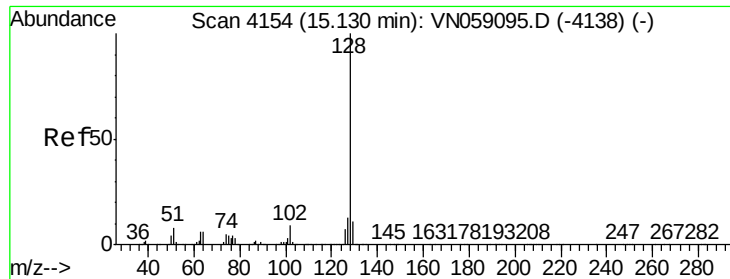
MMDadoda
 11/20/2019 1:37:17 PM



#94
 Hexachlorobutadiene
 Concen: 16.939 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059305.D
 Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.3	93.9
227	63.0	31.5	94.5





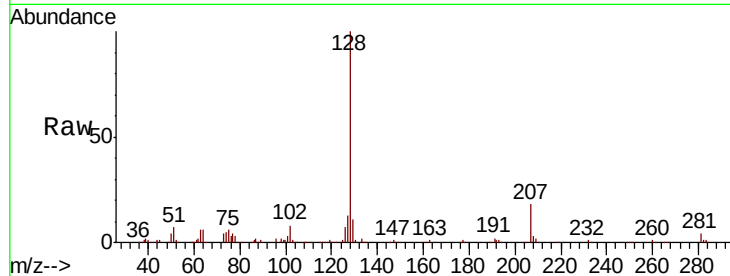
#95
Naphthalene
Concen: 15.887 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS03

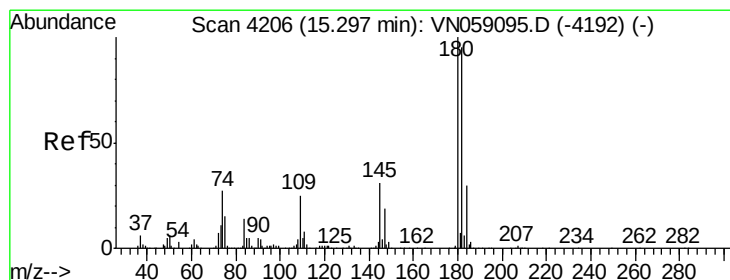
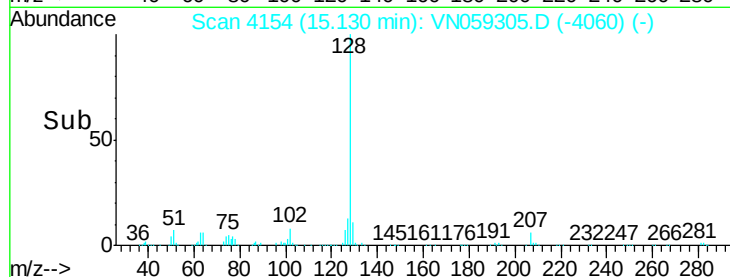
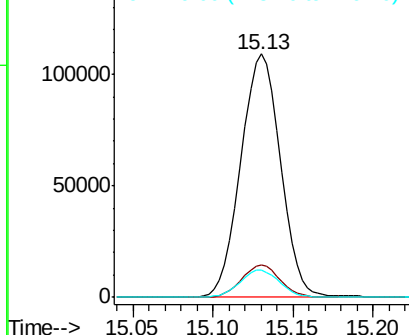
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:17 PM

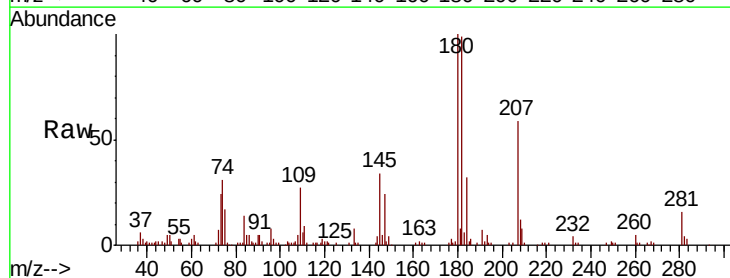


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 15.260 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059305.D
Acq: 19 Nov 2019 14:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.8
145	31.8	15.8	47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

