

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059349.D
 Acq On : 21 Nov 2019 20:13
 Operator : JC/SP
 Sample : VN1121MBS04
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS04

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:13:06 PM

Quant Time: Nov 22 07:19:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	371624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	593193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	526383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	237219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	226872	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.57	113	181504	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.08	98	728542	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.40	95	257129	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	91278	19.186	ug/l 99
3) Chloromethane	2.04	50	113031	19.393	ug/l 100
4) Vinyl Chloride	2.17	62	119925	19.985	ug/l 100
5) Bromomethane	2.54	94	64483	19.356	ug/l 98
6) Chloroethane	2.68	64	60479	18.467	ug/l 100
7) Trichlorofluoromethane	3.00	101	121205	18.757	ug/l 98
8) Diethyl Ether	3.39	74	51277	19.410	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	73503	18.602	ug/l 98
10) Methyl Iodide	3.93	142	95626	19.473	ug/l 98
11) Tert butyl alcohol	4.75	59	86917	97.361	ug/l 99
12) 1,1-Dichloroethene	3.72	96	76268	19.016	ug/l 97
13) Acrolein	3.58	56	84548	103.750	ug/l 98
14) Allyl chloride	4.29	41	142707	19.046	ug/l 99
15) Acrylonitrile	4.95	53	232541	98.518	ug/l 100
16) Acetone	3.79	43	180228	90.147	ug/l 99
17) Carbon Disulfide	4.03	76	238905	19.093	ug/l 100
18) Methyl Acetate	4.29	43	129905	19.579	ug/l 99
19) Methyl tert-butyl Ether	5.01	73	255998	19.761	ug/l 100
20) Methylene Chloride	4.52	84	85702	19.007	ug/l 97
21) trans-1,2-Dichloroethene	5.01	96	80789	19.006	ug/l 98
22) Diisopropyl ether	5.92	45	272774	19.335	ug/l 99
23) Vinyl Acetate	5.87	43	1084875	97.792	ug/l 100
24) 1,1-Dichloroethane	5.82	63	155078	19.529	ug/l 99
25) 2-Butanone	6.81	43	298870	96.135	ug/l 97
26) 2,2-Dichloropropane	6.80	77	125496	18.252	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	92118	19.207	ug/l 99
28) Bromochloromethane	7.17	49	64699	21.413	ug/l 96
29) Tetrahydrofuran	7.19	42	205723	95.700	ug/l 99
30) Chloroform	7.35	83	146981	18.989	ug/l 98
31) Cyclohexane	7.63	56	148357	18.896	ug/l 94
32) 1,1,1-Trichloroethane	7.55	97	126448	19.099	ug/l 99
36) 1,1-Dichloropropene	7.77	75	114577	18.710	ug/l 100
37) Ethyl Acetate	6.90	43	126285	19.188	ug/l 98
38) Carbon Tetrachloride	7.75	117	109649	18.704	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059349.D
 Acq On : 21 Nov 2019 20:13
 Operator : JC/SP
 Sample : VN1121MBS04
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1121MBS04

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:13:06 PM

Quant Time: Nov 22 07:19:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	138831	18.800	ug/l	98
40) Benzene	8.02	78	346211	19.262	ug/l	100
41) Methacrylonitrile	7.16	41	60322m	20.646	ug/l	
42) 1,2-Dichloroethane	8.11	62	114344	19.236	ug/l	100
43) Isopropyl Acetate	8.15	43	191493	19.038	ug/l	99
44) Trichloroethene	8.82	130	86810	19.058	ug/l	97
45) 1,2-Dichloropropane	9.10	63	91111	19.010	ug/l	99
46) Dibromomethane	9.19	93	56192	19.114	ug/l	100
47) Bromodichloromethane	9.39	83	111092	18.869	ug/l	100
48) Methyl methacrylate	9.19	41	84769	18.533	ug/l	96
49) 1,4-Dioxane	9.19	88	27415	398.803	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	597559	101.499	ug/l	99
52) Toluene	10.15	92	209094	19.348	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	130158	19.018	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	142175	19.144	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	80145	19.073	ug/l	100
56) Ethyl methacrylate	10.42	69	124064	18.908	ug/l	99
57) 1,3-Dichloropropane	10.70	76	142079	19.400	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	216631	98.369	ug/l	99
59) 2-Hexanone	10.75	43	433415	100.538	ug/l	99
60) Dibromochloromethane	10.90	129	84917	19.178	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83308	19.054	ug/l	99
64) Tetrachloroethene	10.63	164	76736	18.849	ug/l	98
65) Chlorobenzene	11.43	112	217563	19.222	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	79212	19.265	ug/l	99
67) Ethyl Benzene	11.51	91	394047	19.499	ug/l	100
68) m/p-Xylenes	11.62	106	293434	39.076	ug/l	99
69) o-Xylene	11.95	106	140638	19.563	ug/l	99
70) Styrene	11.96	104	216565	19.092	ug/l	98
71) Bromoform	12.13	173	60387	19.392	ug/l #	98
73) Isopropylbenzene	12.25	105	376185	19.358	ug/l	99
74) N-amyl acetate	12.07	43	154235	19.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	121268	18.865	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	111286m	20.306	ug/l	
77) Bromobenzene	12.53	156	88802	18.840	ug/l	98
78) n-propylbenzene	12.59	91	428840	19.482	ug/l	99
79) 2-Chlorotoluene	12.68	91	258694	19.147	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	320545	19.622	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41994	19.166	ug/l	99
82) 4-Chlorotoluene	12.77	91	260567	18.636	ug/l	99
83) tert-Butylbenzene	12.99	119	270366	19.596	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	320787	20.047	ug/l	99
85) sec-Butylbenzene	13.17	105	357667	19.288	ug/l	100
86) p-Isopropyltoluene	13.29	119	320518	19.424	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	157580	18.773	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	153548	18.489	ug/l	98
89) n-Butylbenzene	13.62	91	271443	18.752	ug/l	100
90) Hexachloroethane	13.88	117	57093	18.270	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	154098	18.975	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24446	17.887	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
Data File : VN059349.D
Acq On : 21 Nov 2019 20:13
Operator : JC/SP
Sample : VN1121MBS04
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM

Quant Time: Nov 22 07:19:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85351	18.843	ug/l	98
94) Hexachlorobutadiene	15.01	225	53503	18.286	ug/l	98
95) Naphthalene	15.13	128	237002	19.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	87860	18.950	ug/l	99

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

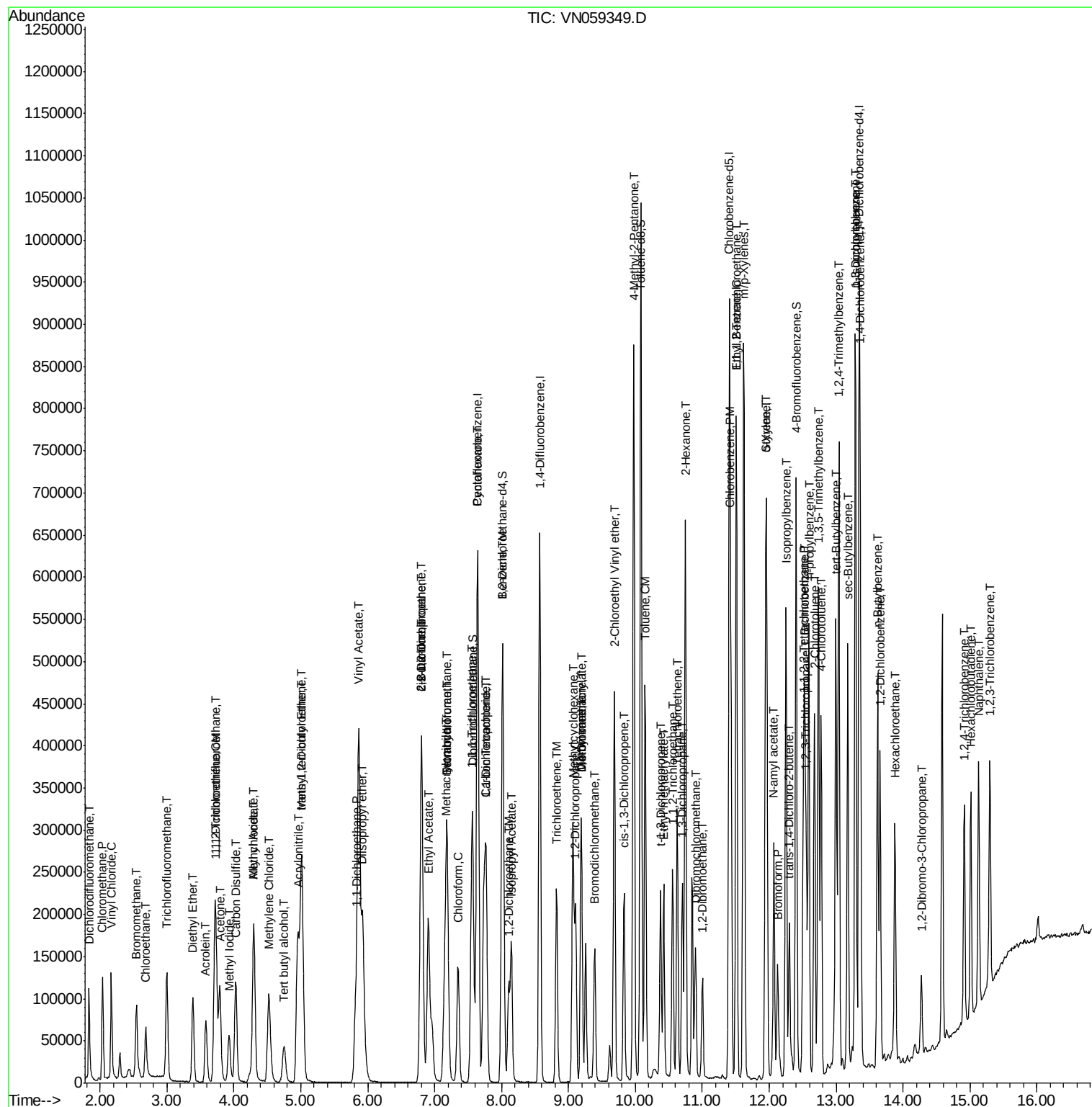
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059349.D
 Acq On : 21 Nov 2019 20:13
 Operator : JC/SP
 Sample : VN1121MBS04
 Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

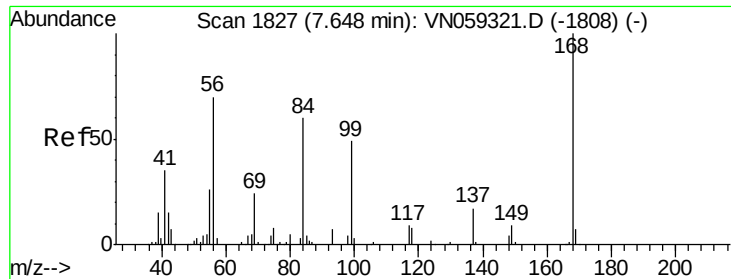
Instrument :
 MSVOA_N
 Client Sample ID :
 VN1121MBS04

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:13:06 PM

Quant Time: Nov 22 07:19:59 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion:168 Resp: 371624

Ion Ratio Lower Upper

168 100

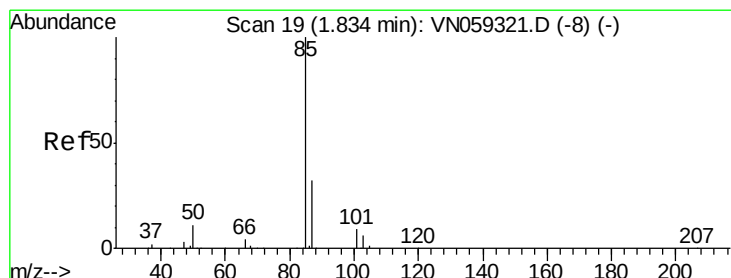
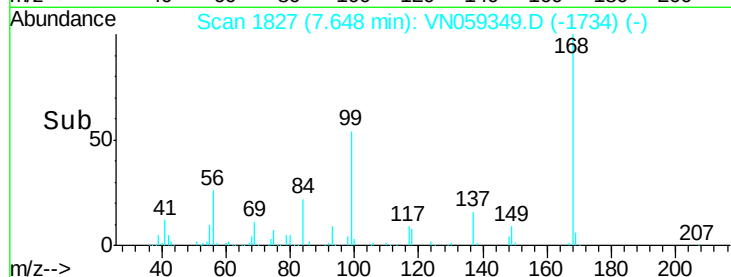
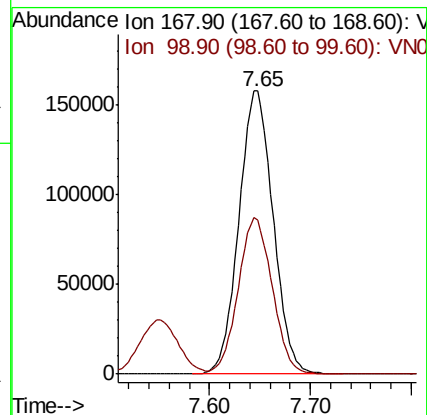
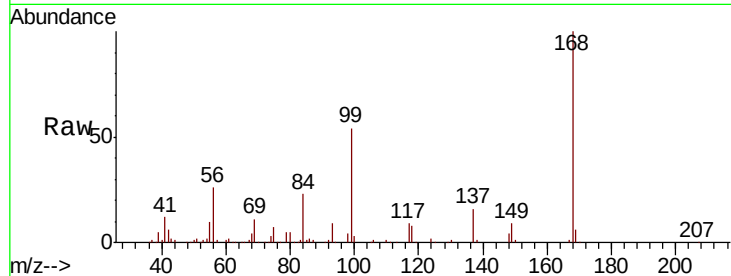
99 54.4 44.6 66.8

Manual Integrations

APPROVED

MMDadoda

11/22/2019 3:13:06 PM



#2

Dichlorodifluoromethane

Concen: 19.186 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059349.D

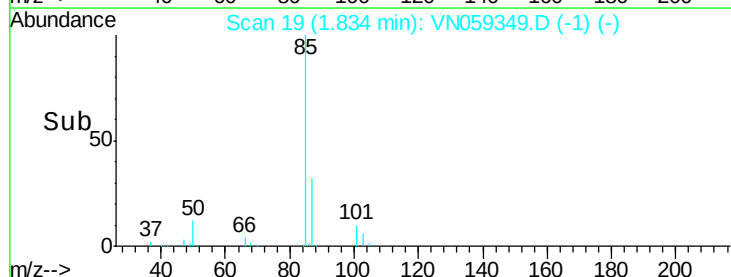
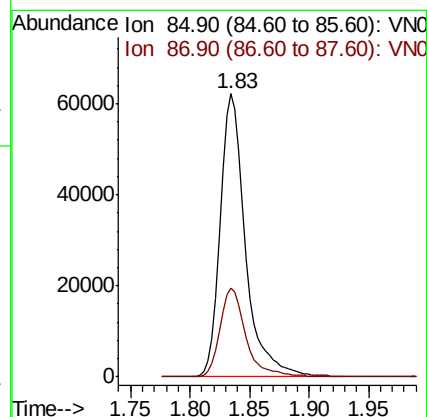
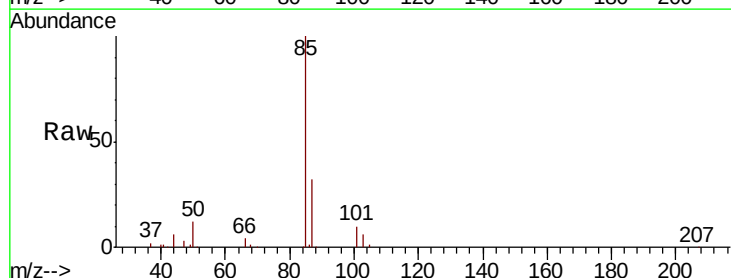
Acq: 21 Nov 2019 20:13

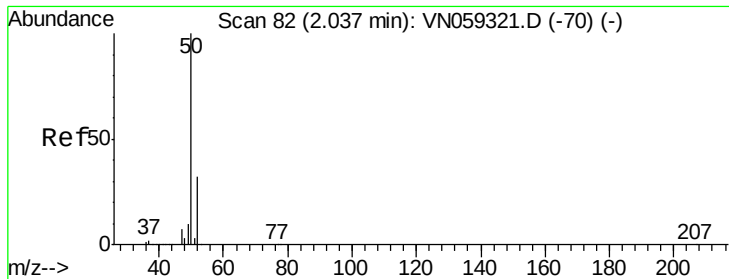
Tgt Ion: 85 Resp: 91278

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0





#3

Chloromethane

Concen: 19.393 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 50 Resp: 113031

Ion Ratio Lower Upper

50 100

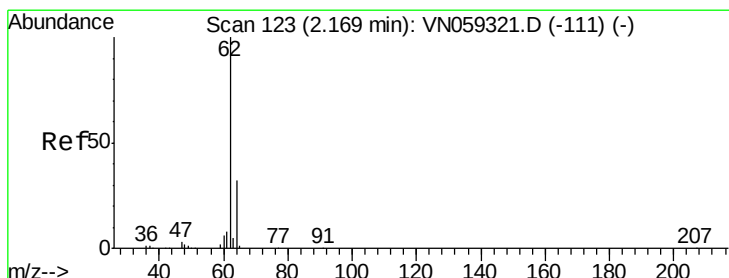
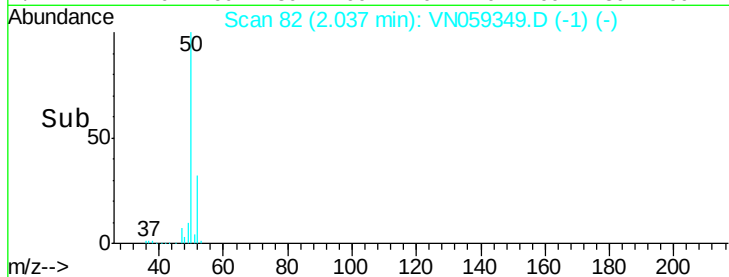
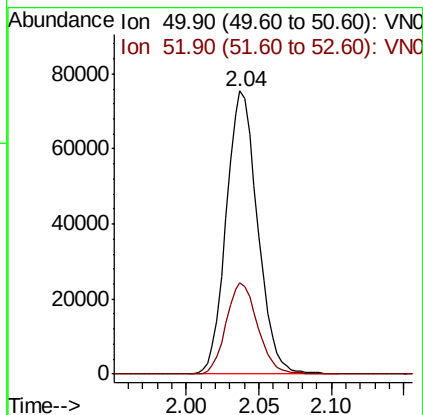
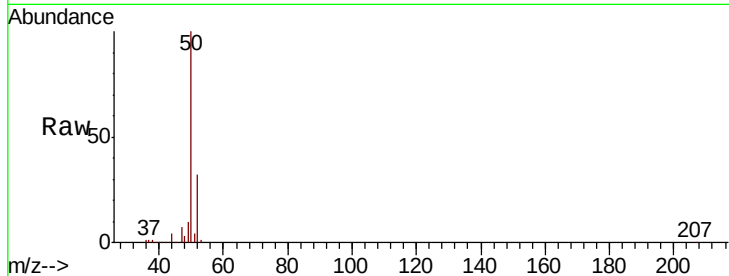
52 32.2 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

11/22/2019 3:13:06 PM



#4

Vinyl Chloride

Concen: 19.985 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059349.D

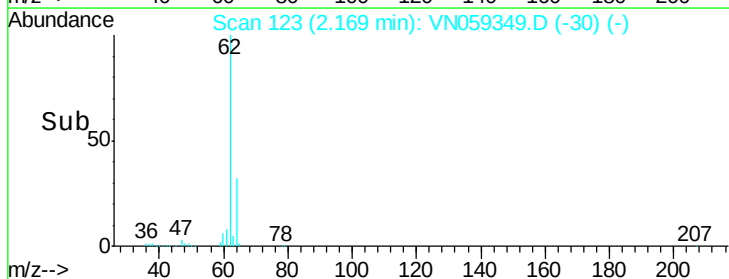
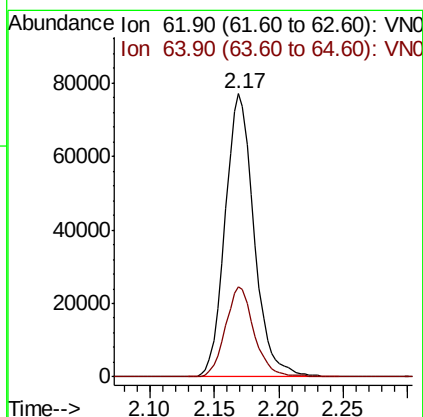
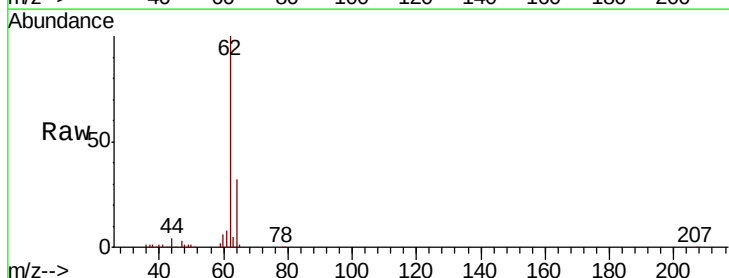
Acq: 21 Nov 2019 20:13

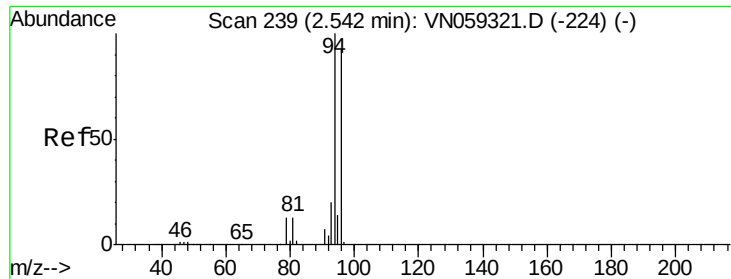
Tgt Ion: 62 Resp: 119925

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 19.356 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 94 Resp: 64483

Ion Ratio Lower Upper

94 100

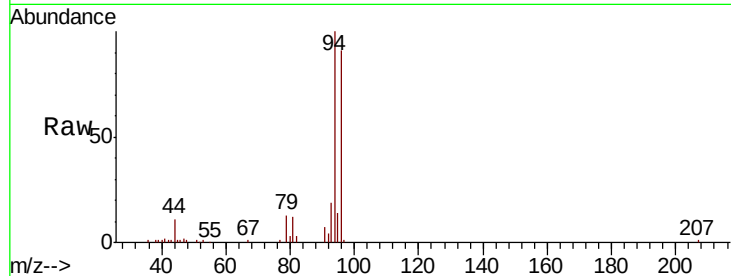
96 91.1 74.5 111.7

Manual Integrations

APPROVED

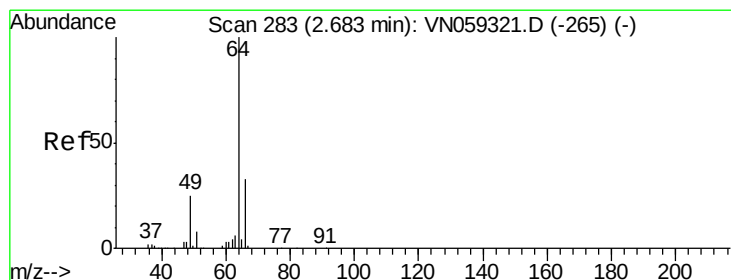
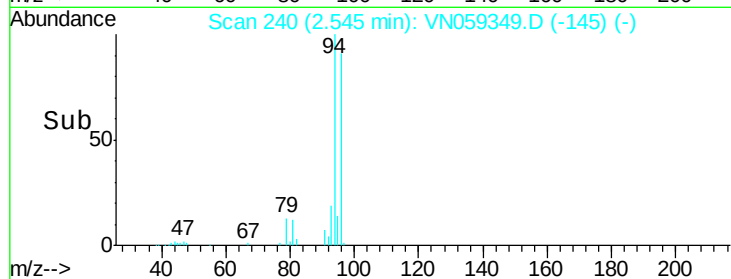
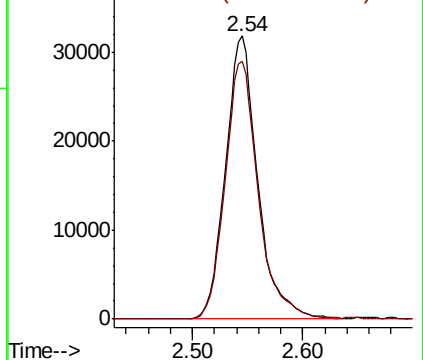
MMDadoda

11/22/2019 3:13:06 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.467 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059349.D

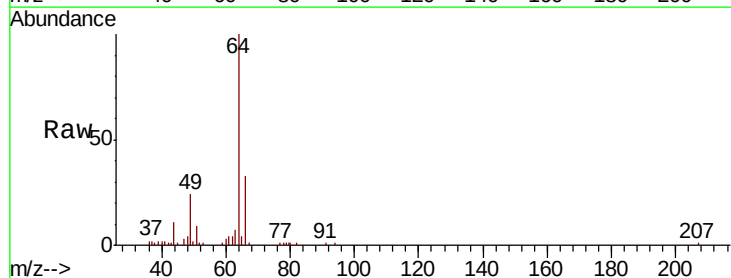
Acq: 21 Nov 2019 20:13

Tgt Ion: 64 Resp: 60479

Ion Ratio Lower Upper

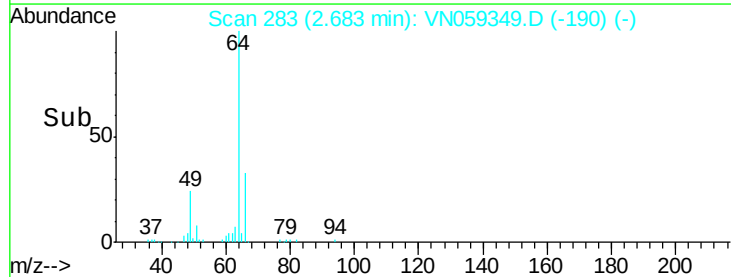
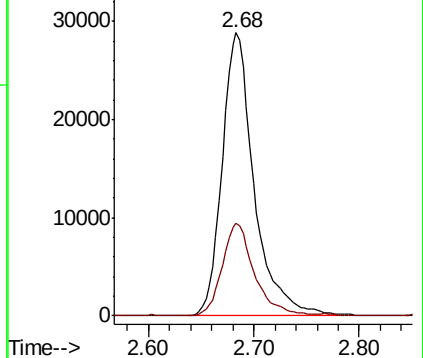
64 100

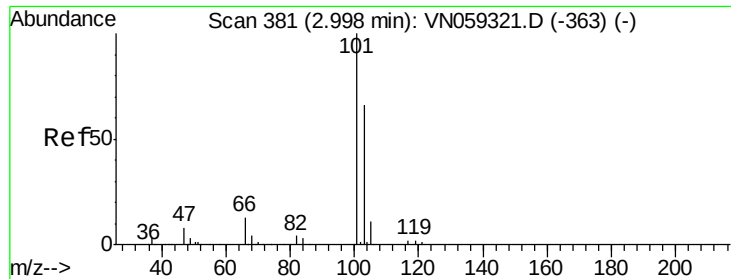
66 32.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

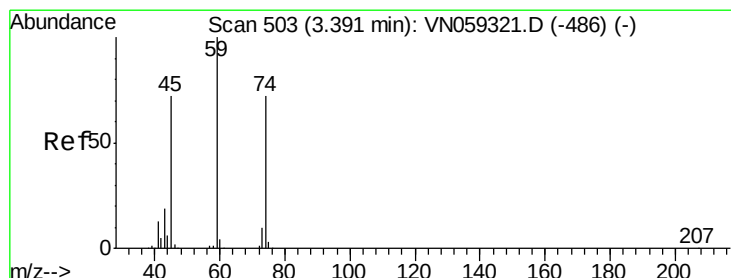
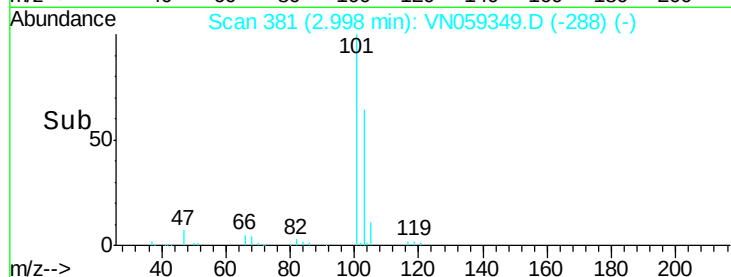
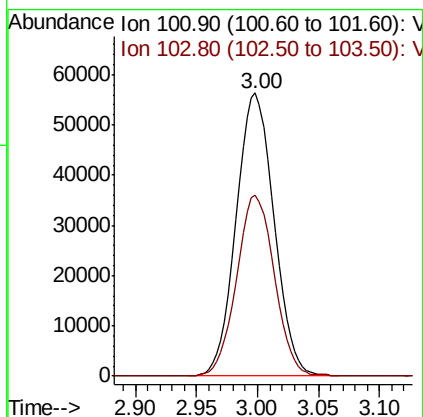
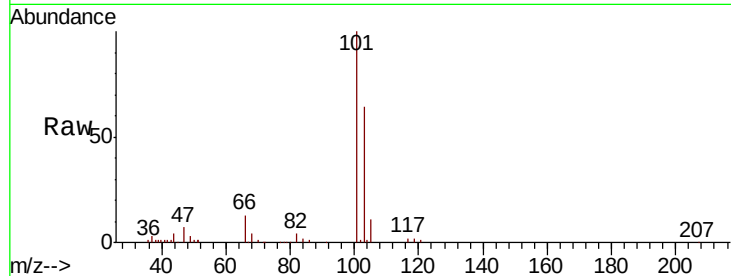
Trichlorofluoromethane
Concen: 18.757 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.5	78.7

Manual Integrations
APPROVED

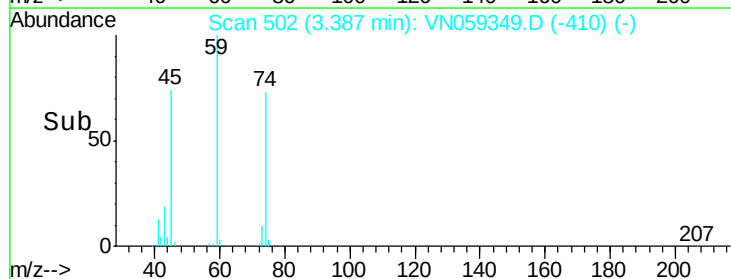
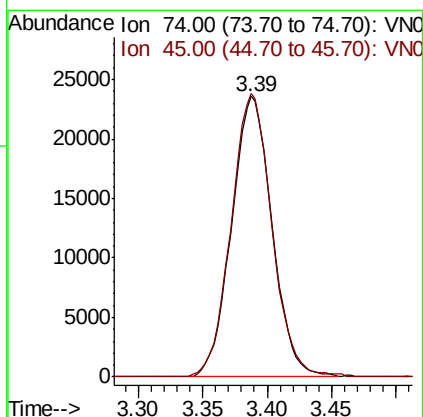
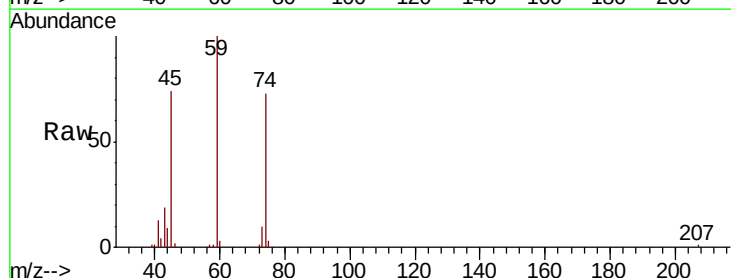
MMDadoda
11/22/2019 3:13:06 PM

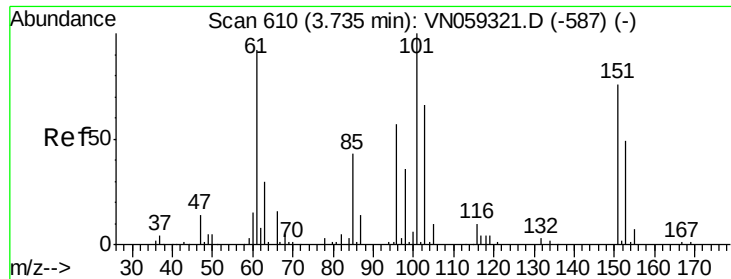


#8

Diethyl Ether
Concen: 19.410 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	51.7	155.2





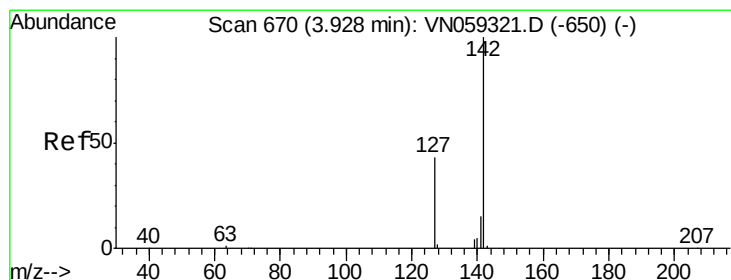
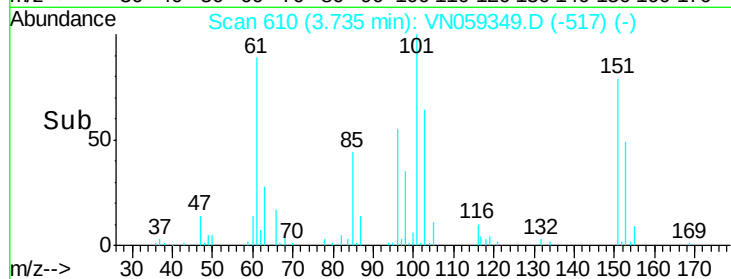
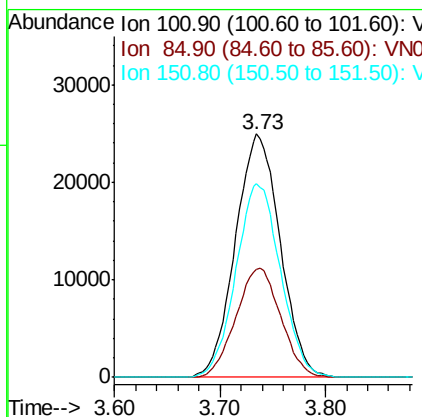
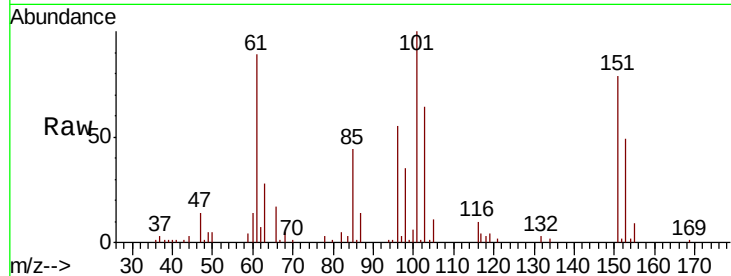
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.602 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS04

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.9	34.8	52.2
151	79.4	62.2	93.4

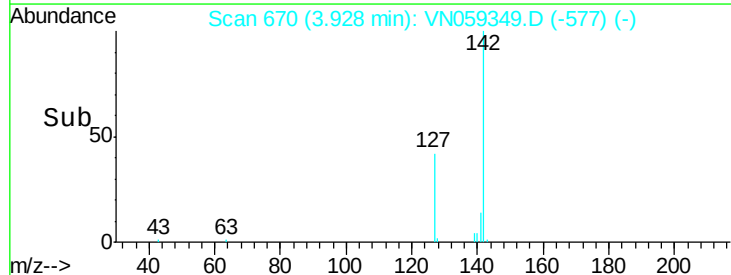
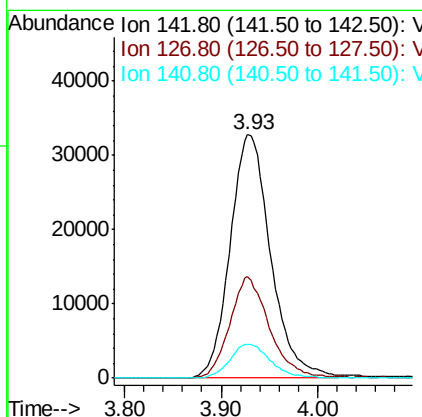
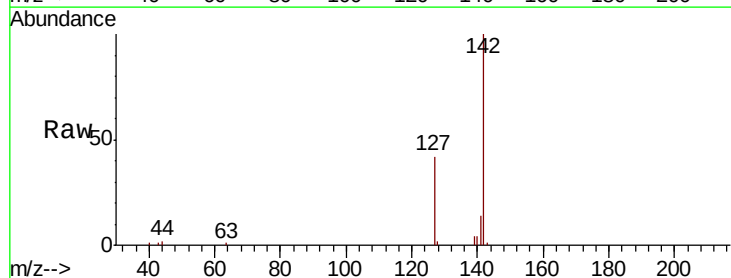
Manual Integrations
 APPROVED

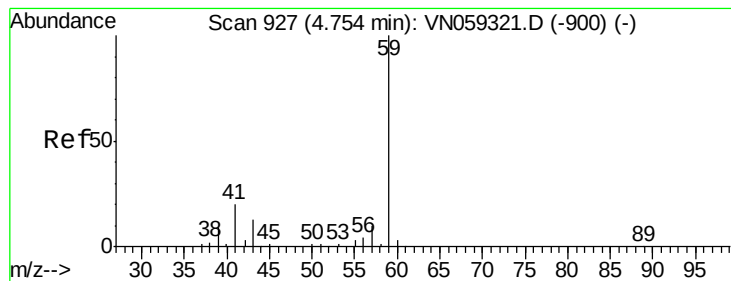
MMDadoda
 11/22/2019 3:13:06 PM



#10
 Methyl Iodide
 Concen: 19.473 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.6	33.8	50.6
141	13.9	11.2	16.8





#11

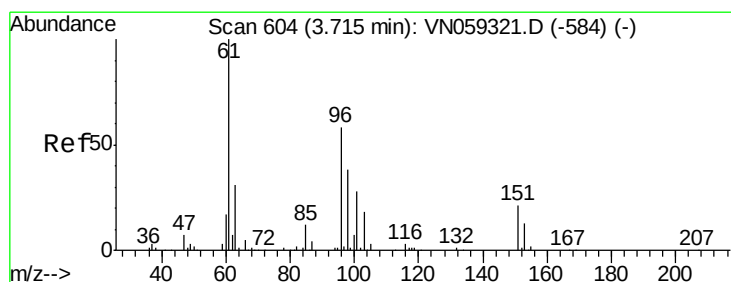
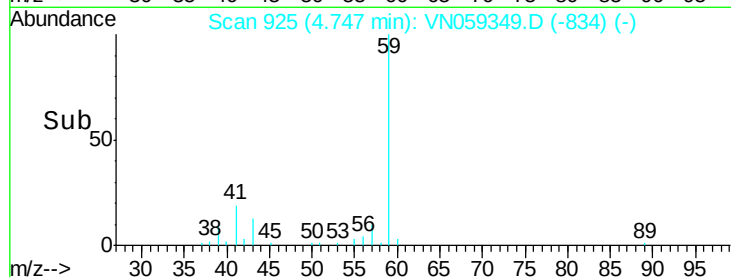
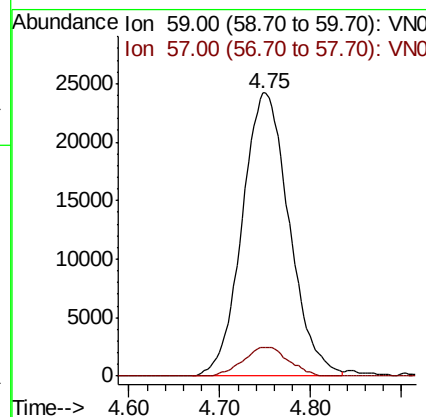
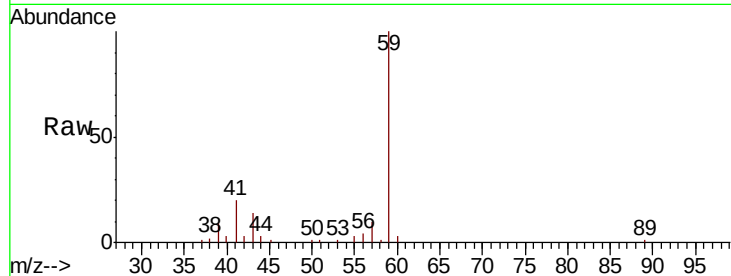
Tert butyl alcohol
Concen: 97.361 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

Manual Integrations
APPROVED

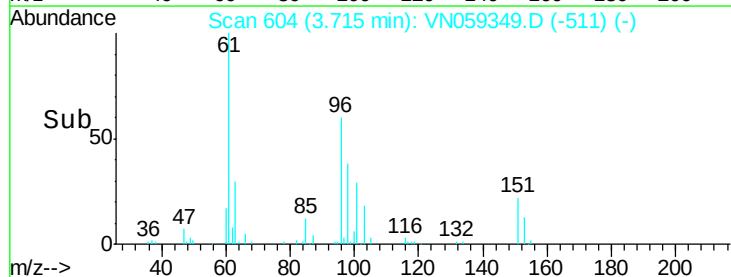
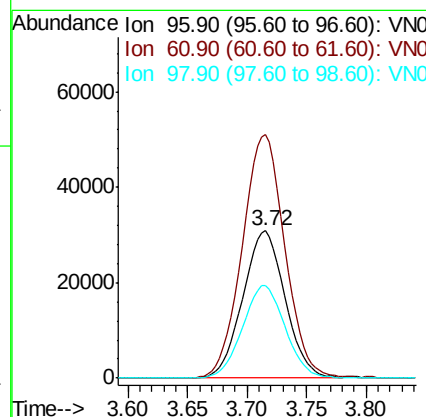
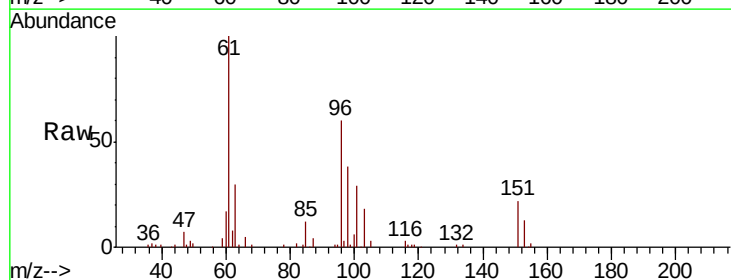
MMDadoda
11/22/2019 3:13:06 PM

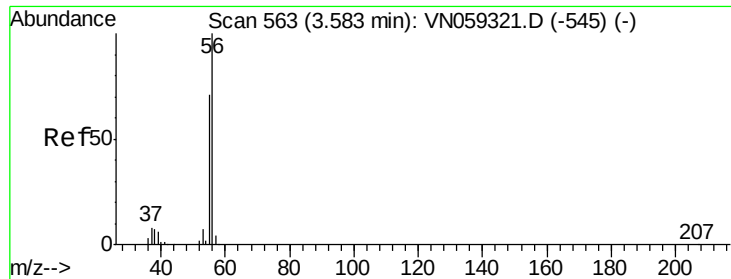


#12

1,1-Dichloroethene
Concen: 19.016 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.4	136.8	205.2
98	63.2	51.6	77.4





#13

Acrolein

Concen: 103.750 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 56 Resp: 84548

Ion Ratio Lower Upper

56 100

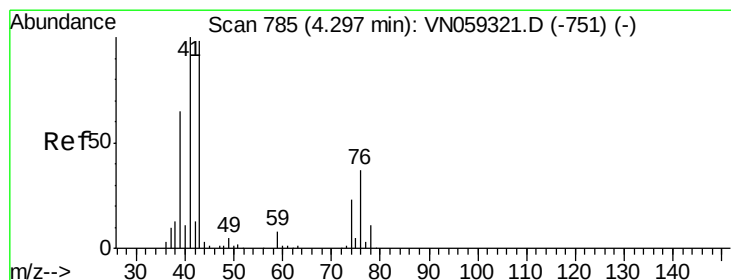
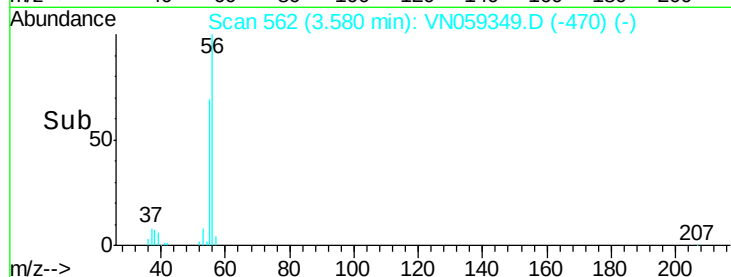
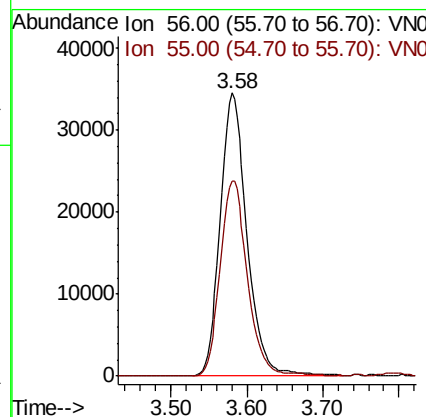
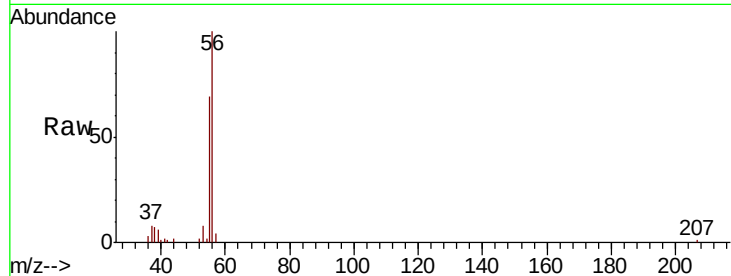
55 69.7 57.4 86.0

Manual Integrations

APPROVED

MMDadoda

11/22/2019 3:13:06 PM



#14

Allyl chloride

Concen: 19.046 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

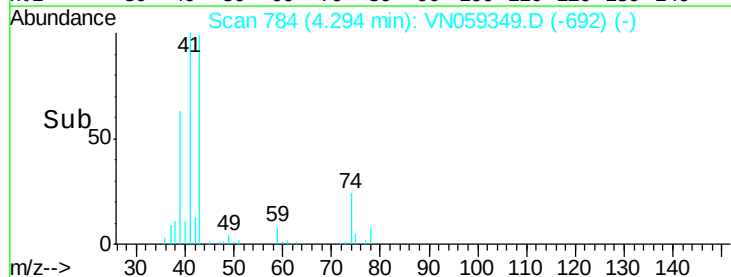
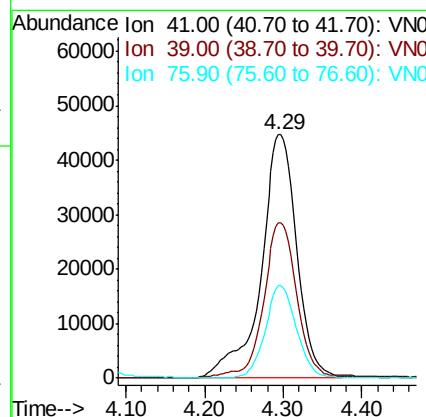
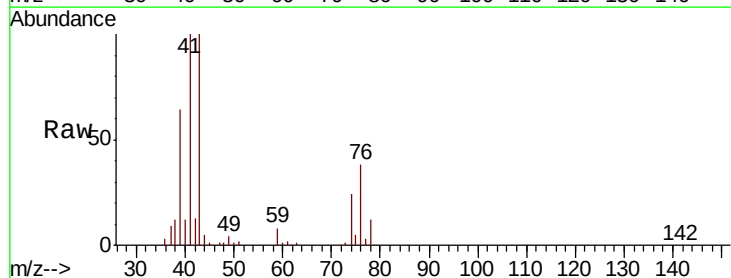
Tgt Ion: 41 Resp: 142707

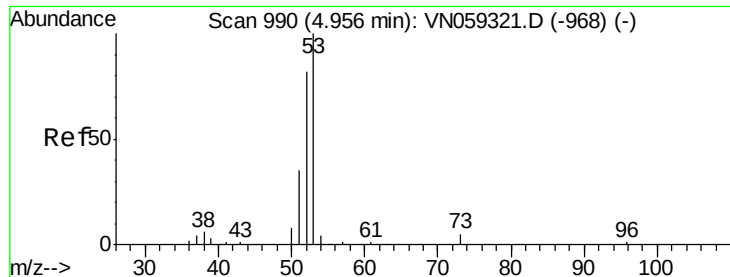
Ion Ratio Lower Upper

41 100

39 59.4 48.4 72.6

76 33.3 26.2 39.4





#15

Acrylonitrile

Concen: 98.518 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

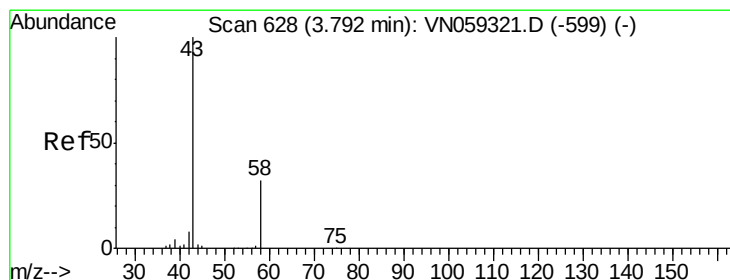
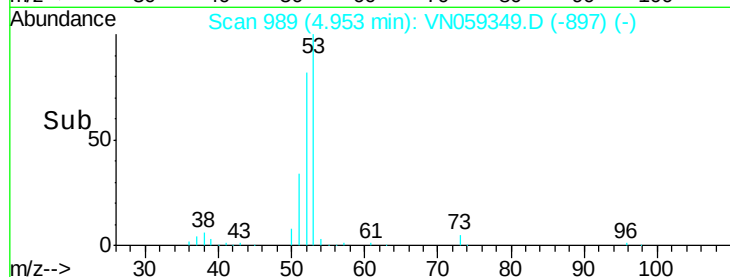
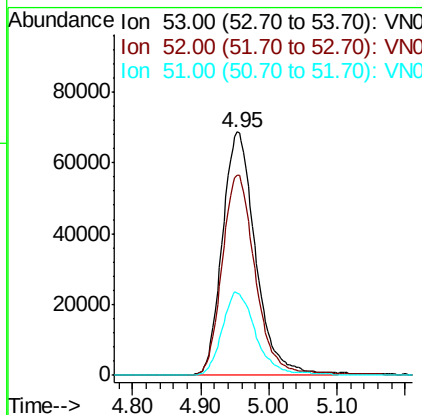
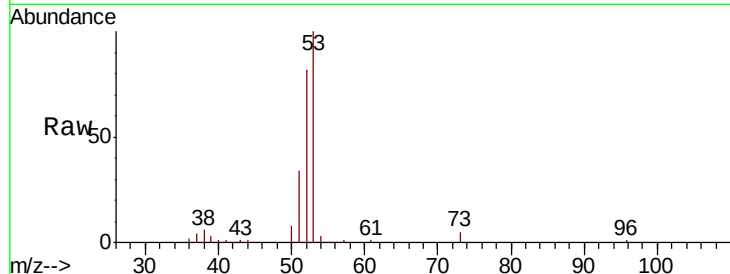
ClientSampleId :

VN1121MBS04

Tot Ion:	53	Resp:	232541
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.8	98.8
51	34.7	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM



#16

Acetone

Concen: 90.147 ug/l

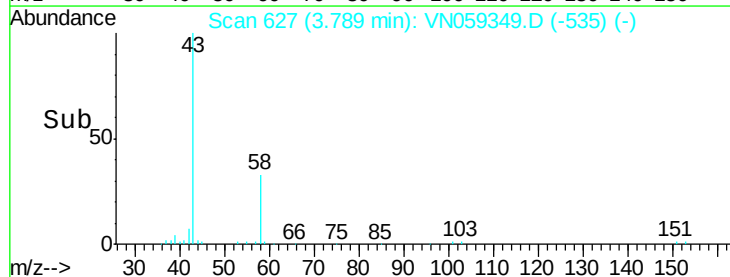
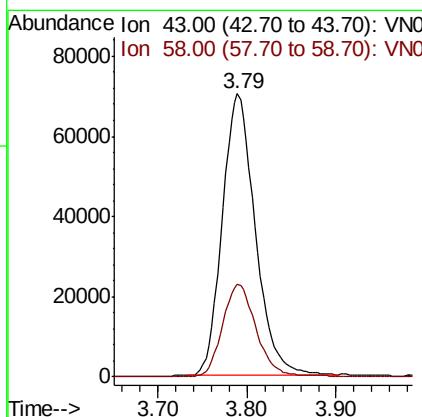
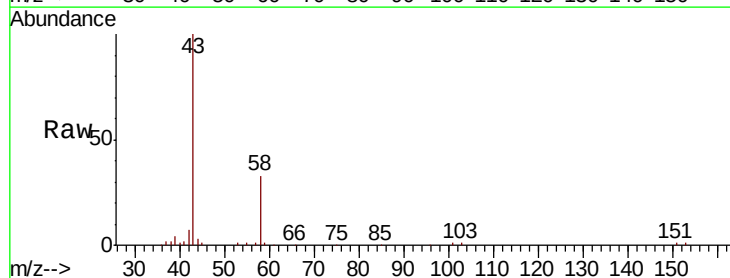
RT: 3.79 min Scan# 627

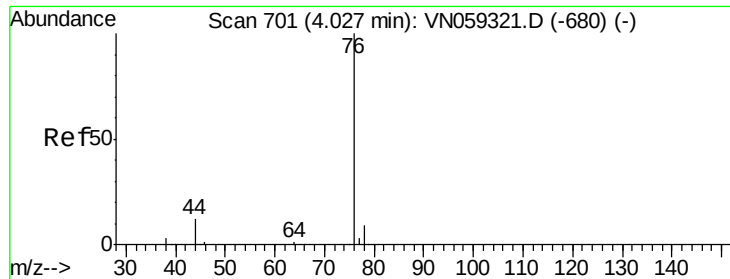
Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion:	43	Resp:	180228
Ion Ratio	Lower	Upper	
43	100		
58	32.7	25.8	38.6





#17

Carbon Disulfide

Concen: 19.093 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 76 Resp: 238905

Ion Ratio Lower Upper

76 100

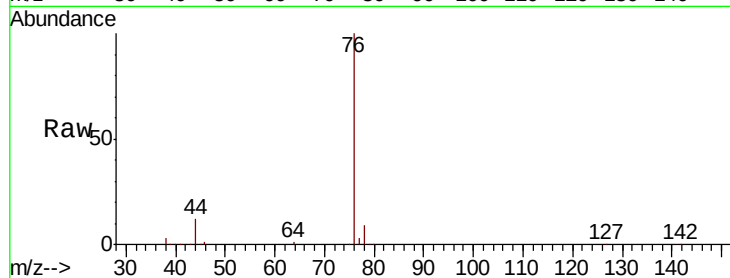
78 8.9 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

11/22/2019 3:13:06 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

100000

80000

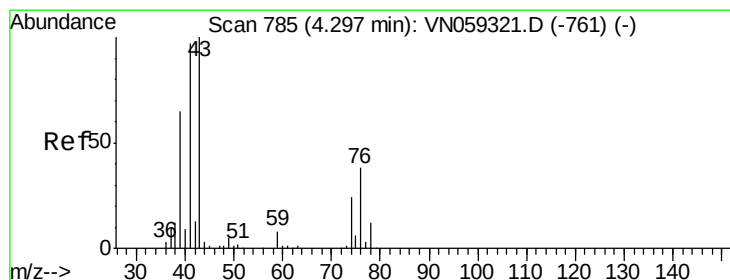
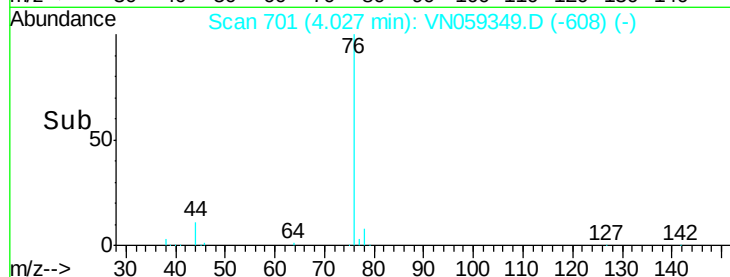
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.579 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059349.D

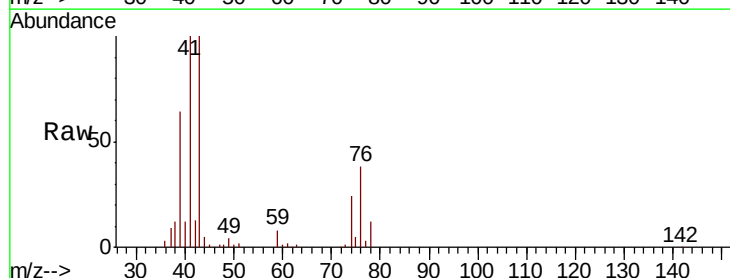
Acq: 21 Nov 2019 20:13

Tgt Ion: 43 Resp: 129905

Ion Ratio Lower Upper

43 100

74 23.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

50000

40000

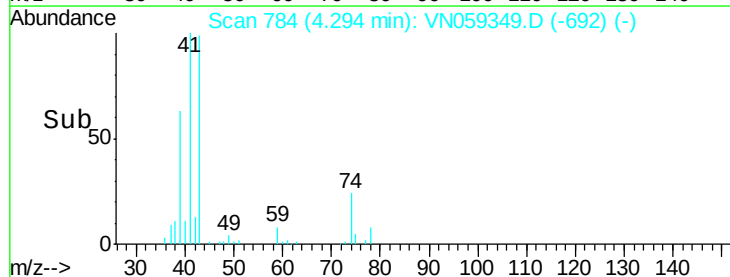
30000

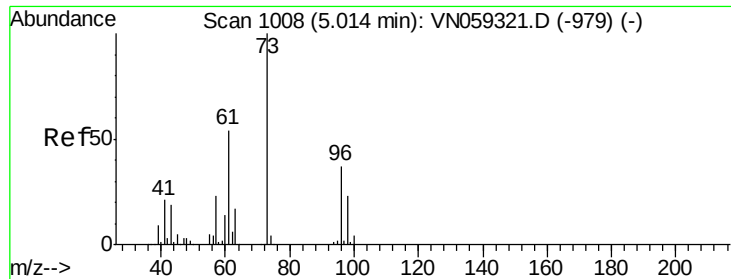
20000

10000

0

Time-->





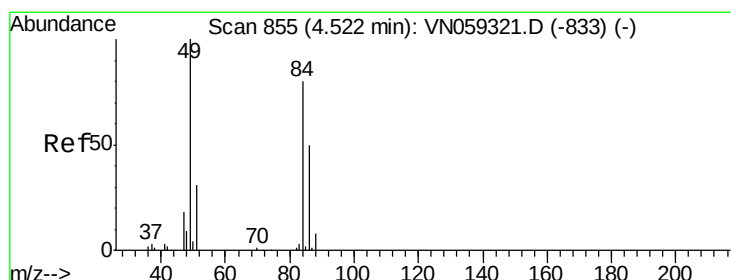
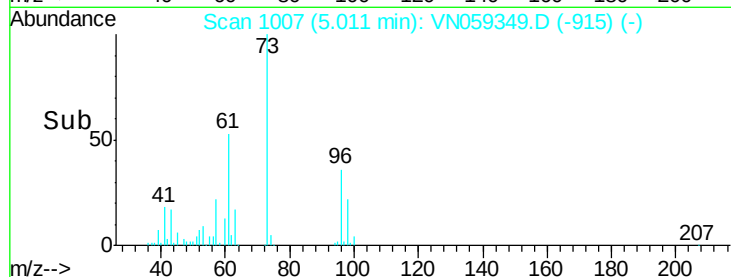
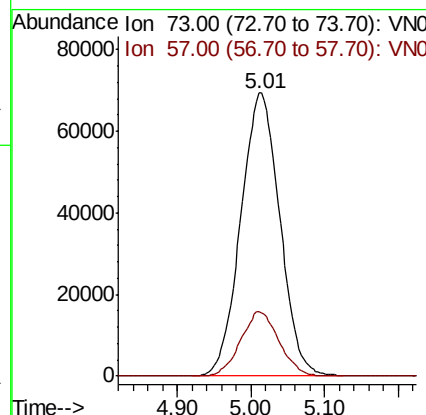
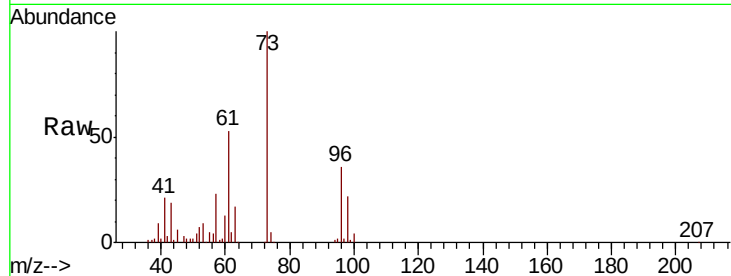
#19
Methyl tert-butyl Ether
Concen: 19.761 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion: 73 Resp: 255998
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

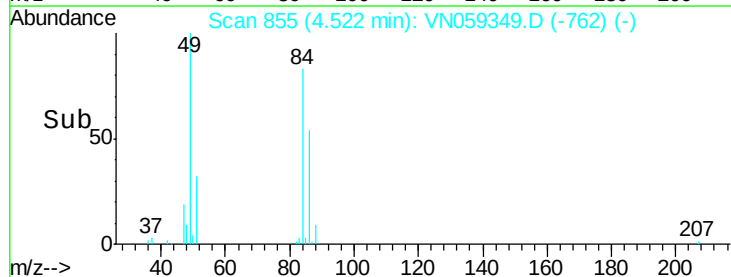
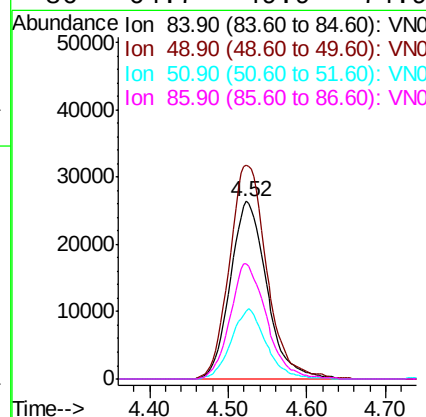
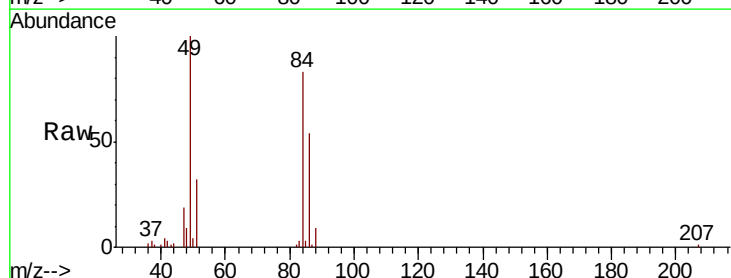
Manual Integrations
APPROVED

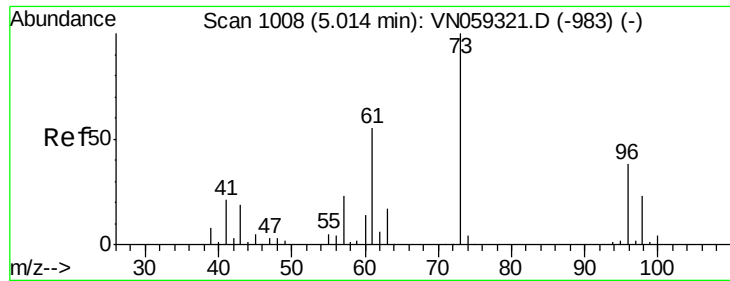
MMDadoda
11/22/2019 3:13:06 PM



#20
Methylene Chloride
Concen: 19.007 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 84 Resp: 85702
Ion Ratio Lower Upper
84 100
49 120.1 99.5 149.3
51 38.2 31.1 46.7
86 64.7 49.9 74.9





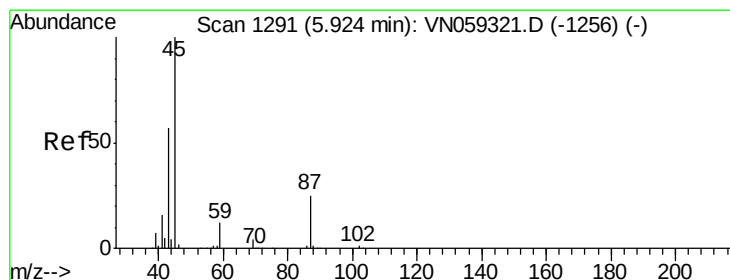
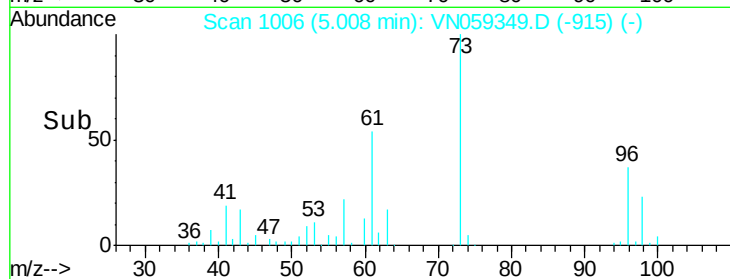
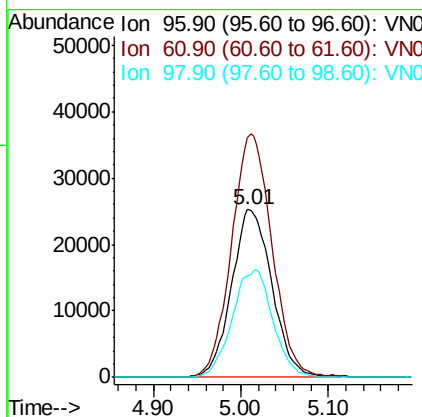
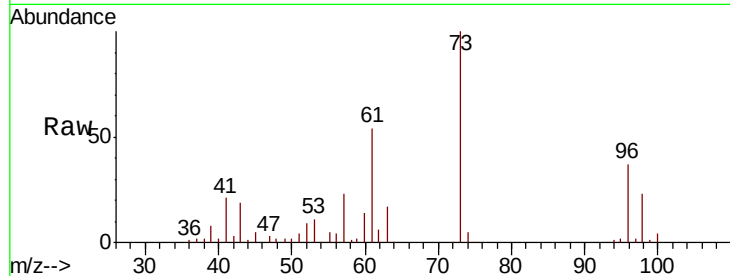
#21
trans-1,2-Dichloroethene
Concen: 19.006 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	116.4	174.6
98	60.6	49.6	74.4

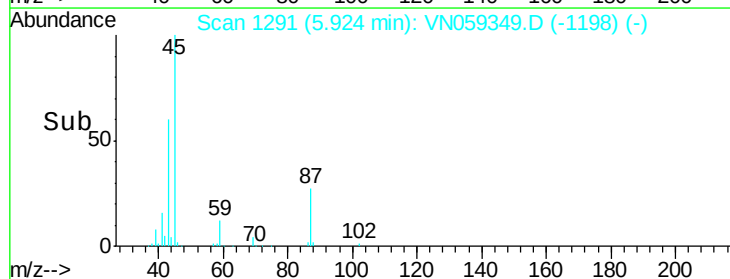
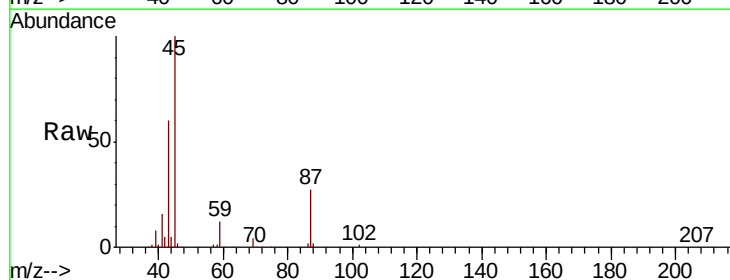
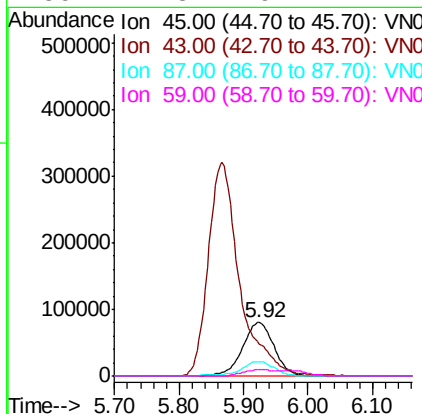
Manual Integrations
APPROVED

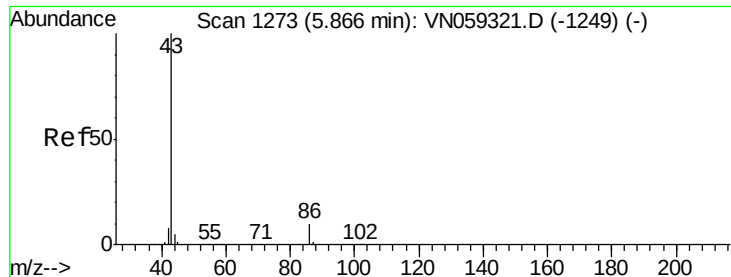
MMDadoda
11/22/2019 3:13:06 PM



#22
Diisopropyl ether
Concen: 19.335 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	47.6	71.4
87	26.6	20.7	31.1
59	11.3	9.4	14.2





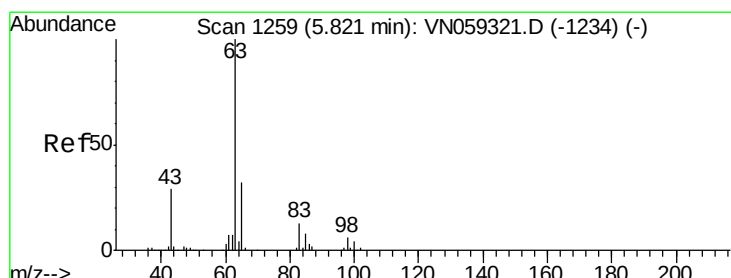
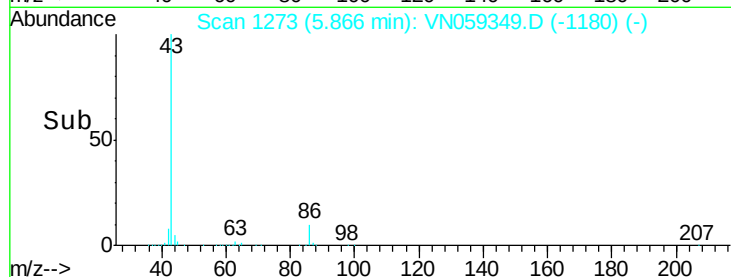
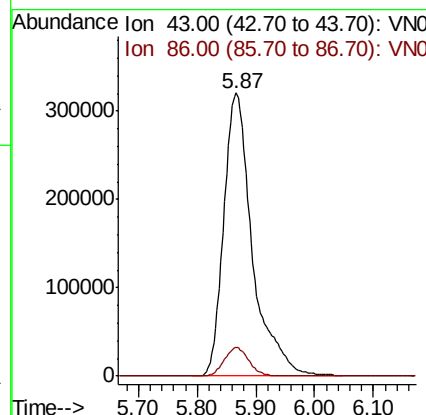
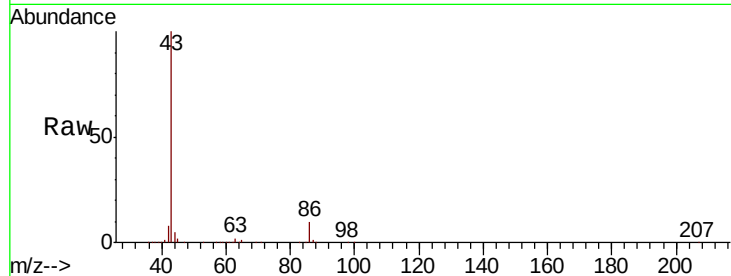
#23
 Vinyl Acetate
 Concen: 97.792 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS04

Tot Ion: 43 Resp: 1084875
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.0 12.0

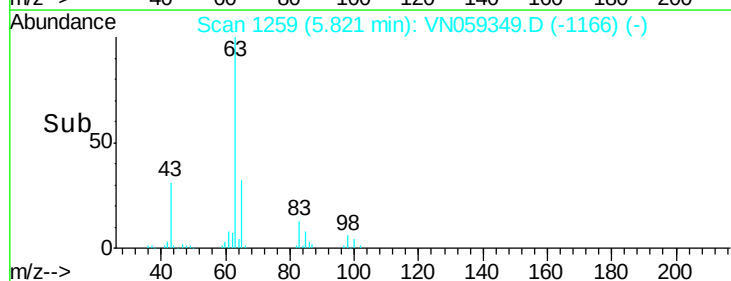
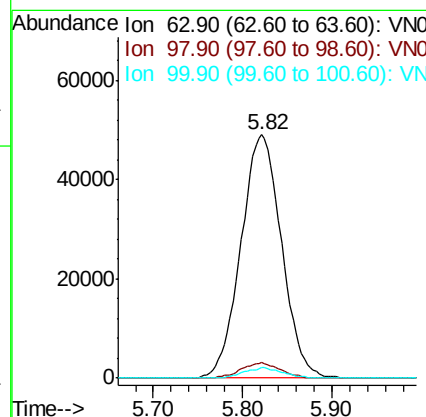
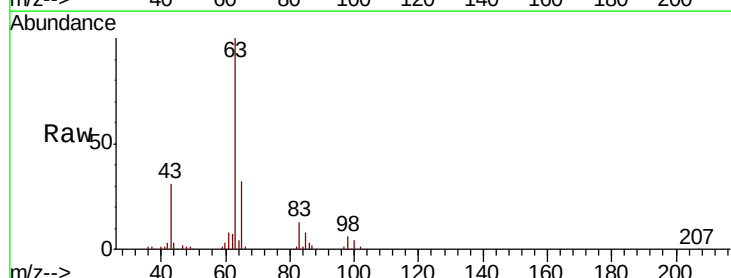
Manual Integrations
 APPROVED

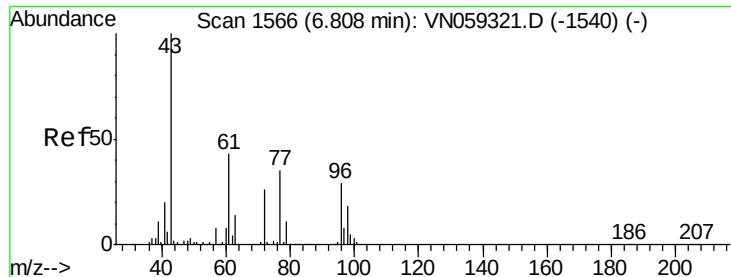
MMDadoda
 11/22/2019 3:13:06 PM



#24
 1,1-Dichloroethane
 Concen: 19.529 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 63 Resp: 155078
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 4.2 1.9 5.7





#25

2-Butanone

Concen: 96.135 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 43 Resp: 298870

Ion Ratio Lower Upper

43 100

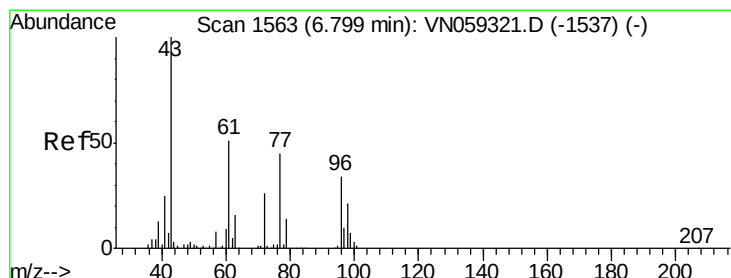
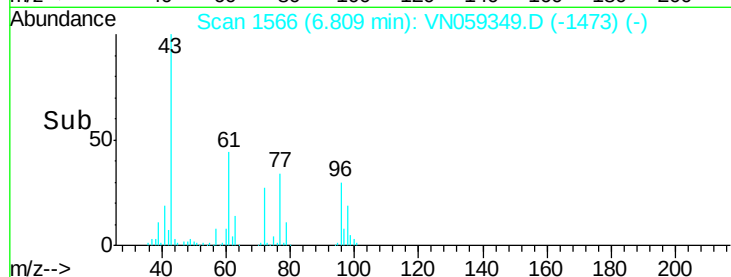
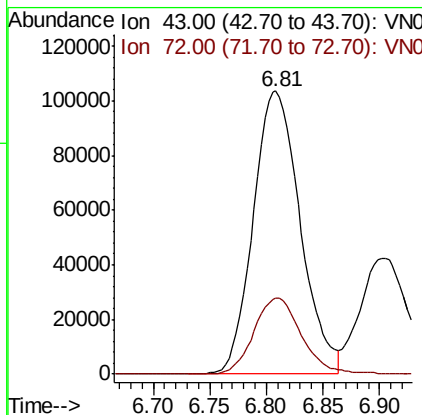
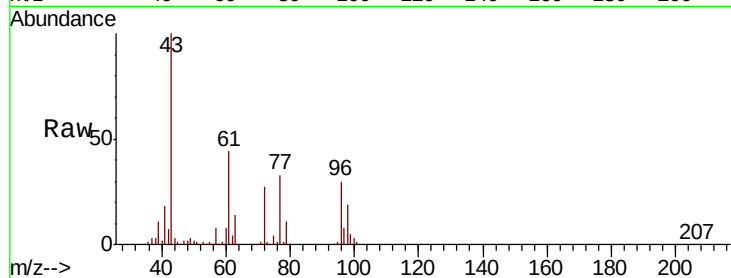
72 26.9 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

11/22/2019 3:13:06 PM



#26

2,2-Dichloropropane

Concen: 18.252 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059349.D

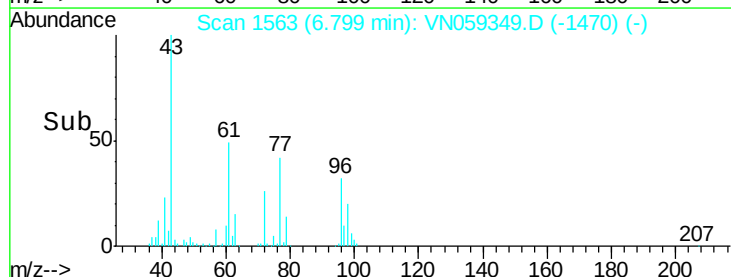
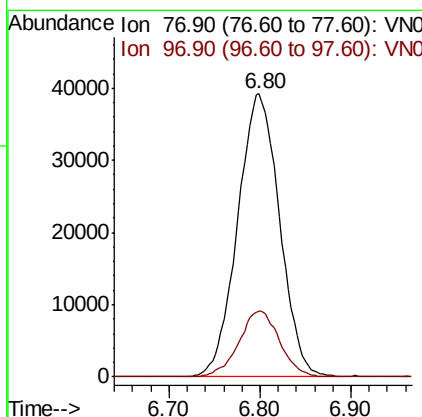
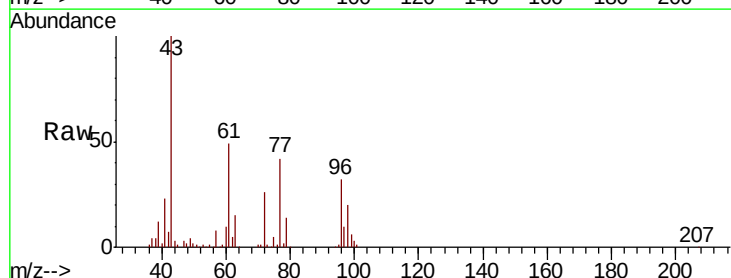
Acq: 21 Nov 2019 20:13

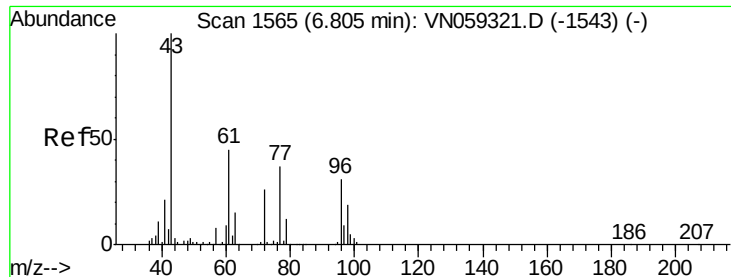
Tgt Ion: 77 Resp: 125496

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 19.207 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

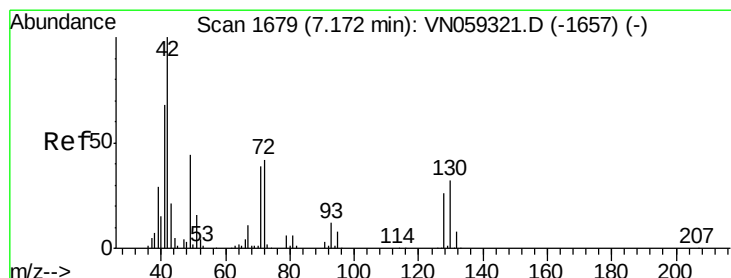
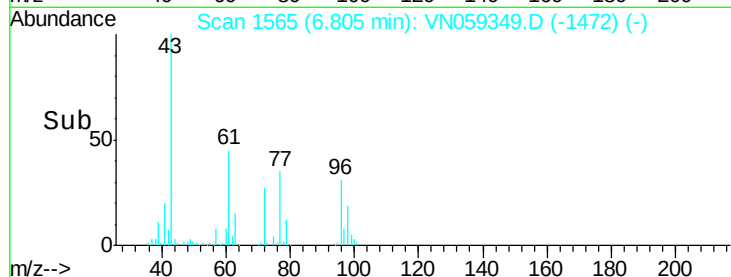
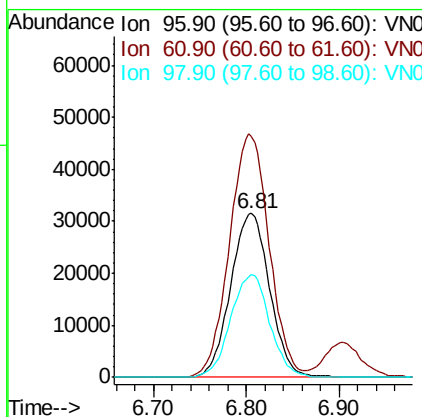
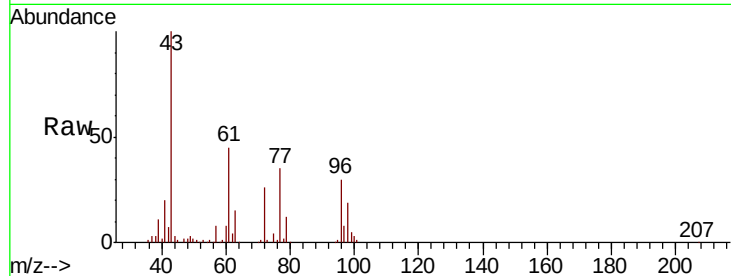
ClientSampleId :

VN1121MBS04

Tot Ion:	96	Resp:	92118
Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	304.0
98	62.9	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM



#28

Bromochloromethane

Concen: 21.413 ug/l

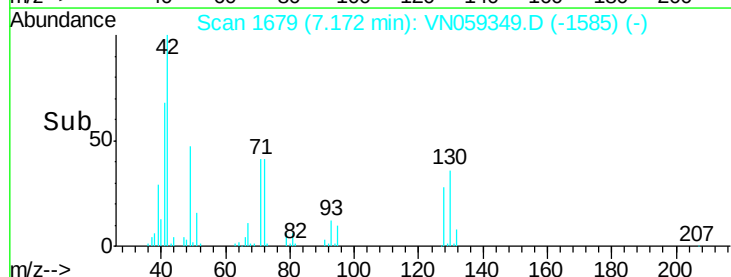
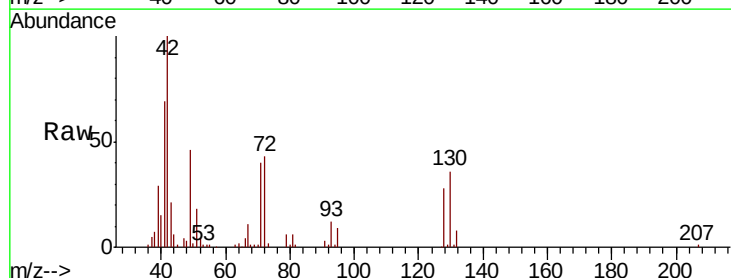
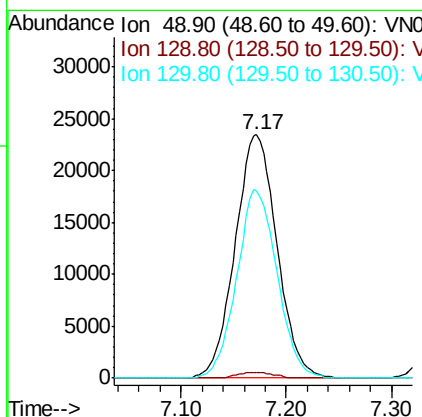
RT: 7.17 min Scan# 1679

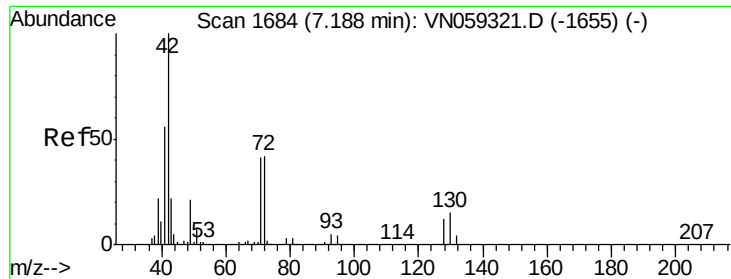
Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion:	49	Resp:	64699
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	74.6	57.0	85.6





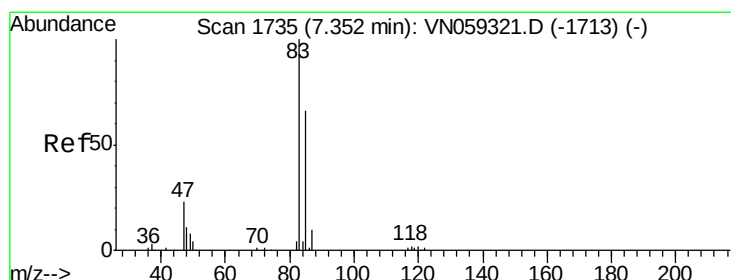
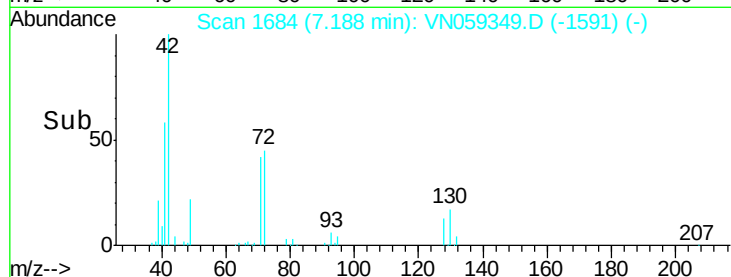
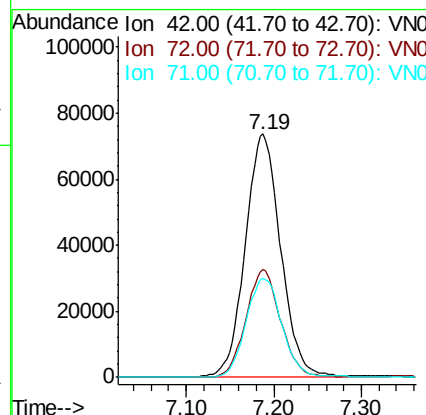
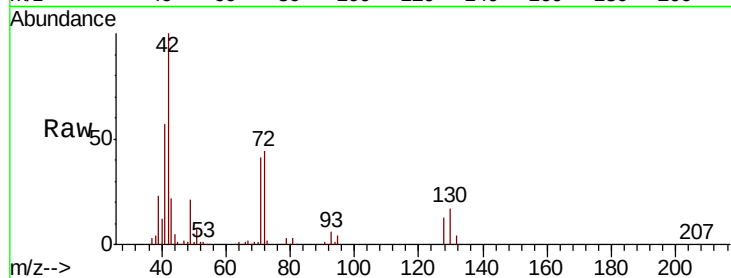
#29
Tetrahydrofuran
Concen: 95.700 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.2	51.2
71	41.5	32.6	48.8

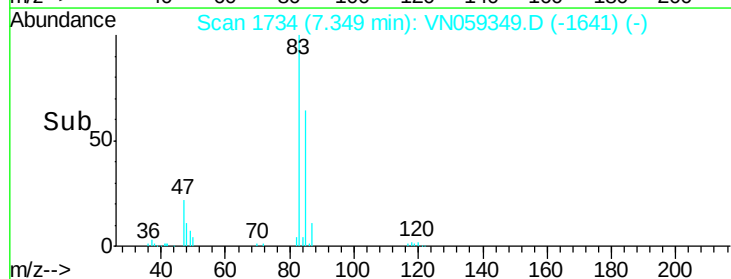
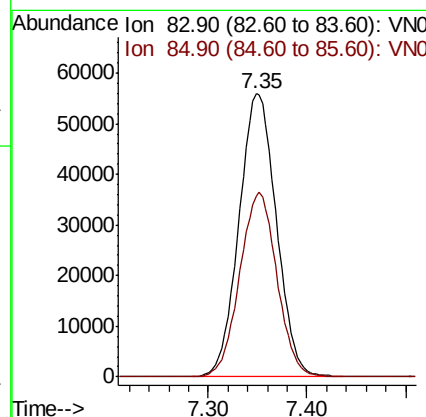
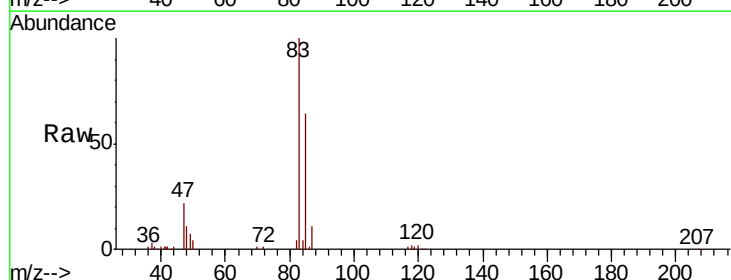
Manual Integrations
APPROVED

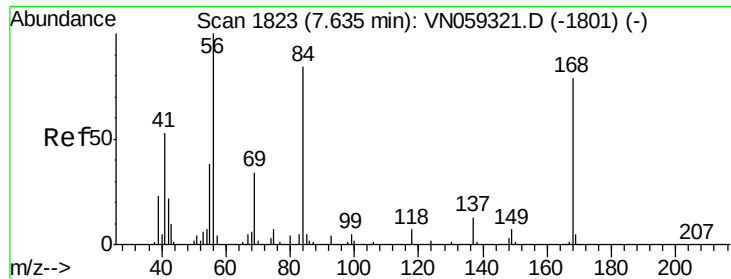
MMDadoda
11/22/2019 3:13:06 PM



#30
Chloroform
Concen: 18.989 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.7	79.1





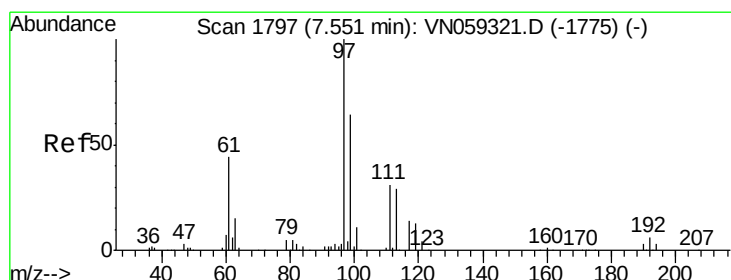
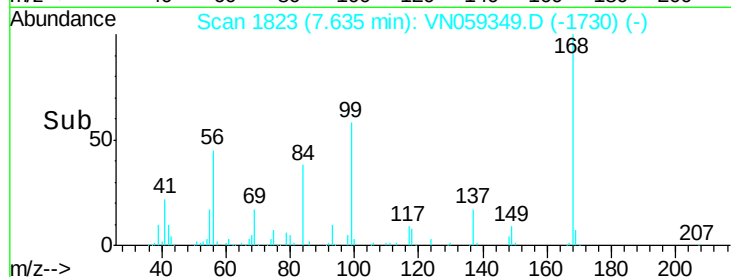
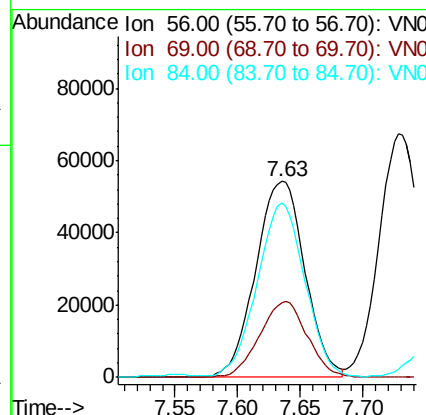
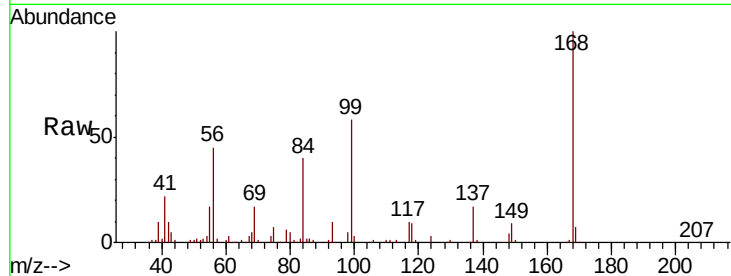
#31
Cyclohexane
Concen: 18.896 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	26.6	40.0
84	87.8	67.0	100.4

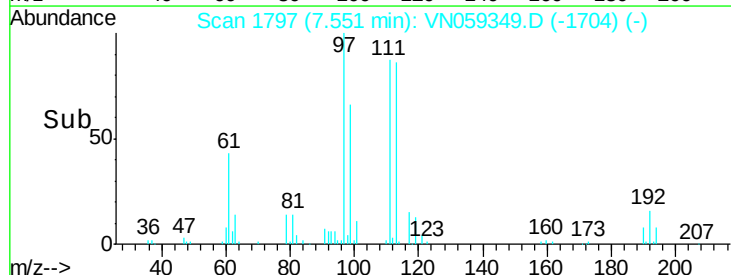
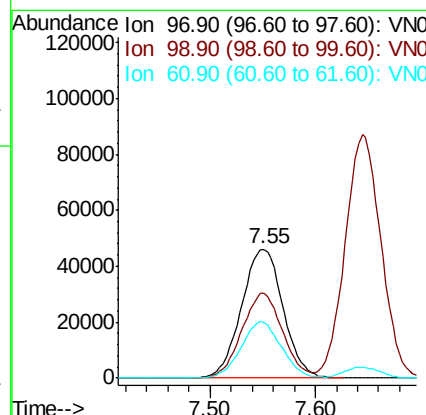
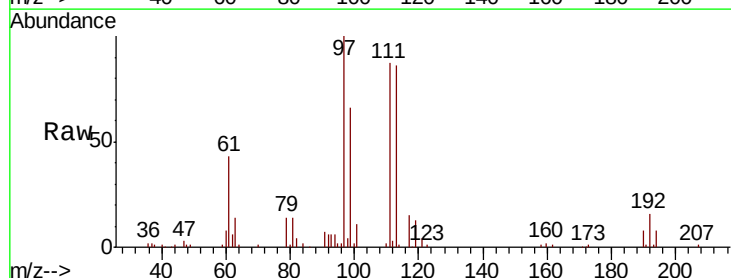
Manual Integrations
APPROVED

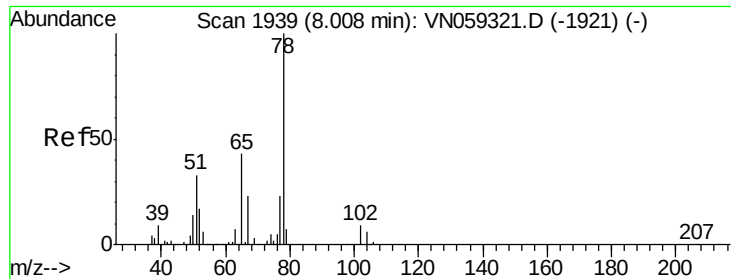
MMDadoda
11/22/2019 3:13:06 PM



#32
1,1,1-Trichloroethane
Concen: 19.099 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	42.6	35.3	52.9





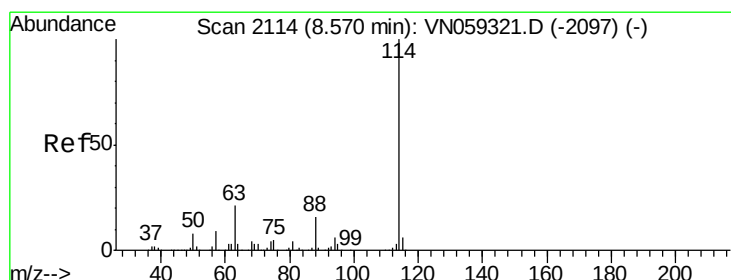
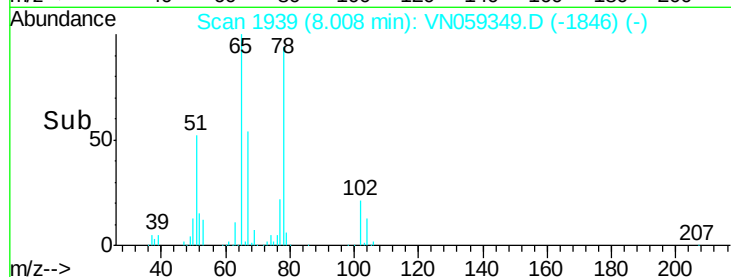
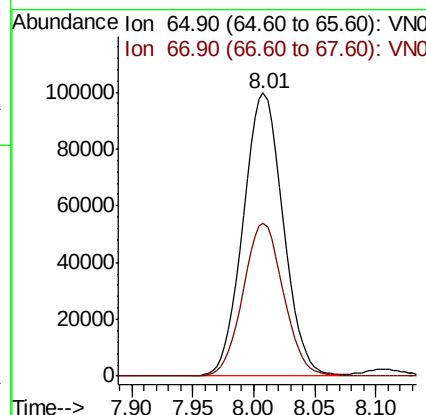
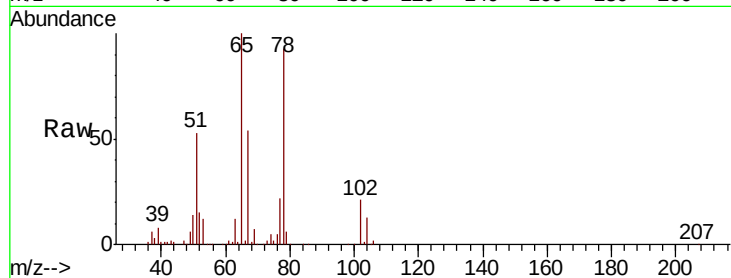
#33
 1,2-Dichloroethane-d4
 Concen: 50.881 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS04

Tot Ion	Ratio	Resp	Lower	Upper
65	100	226872		
67	54.5	0.0	109.4	

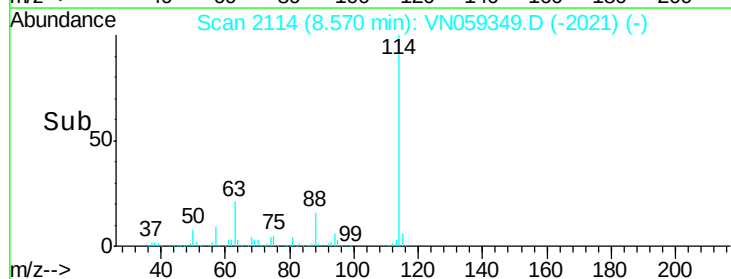
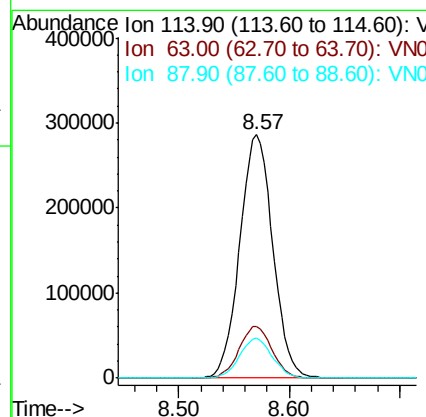
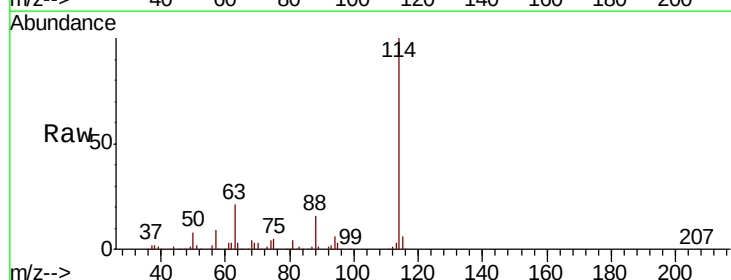
Manual Integrations
 APPROVED

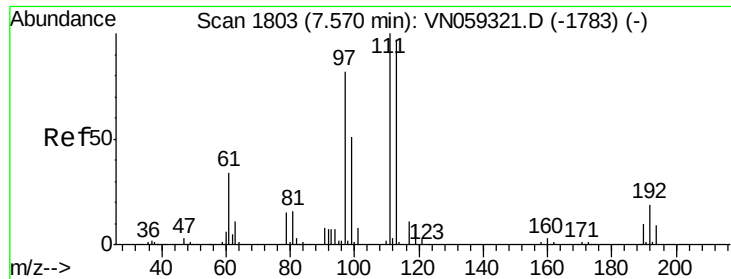
MMDadoda
 11/22/2019 3:13:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	593193		
63	21.2	0.0	42.2	
88	16.3	0.0	32.2	





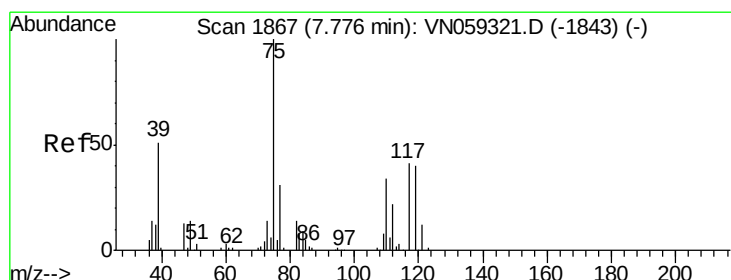
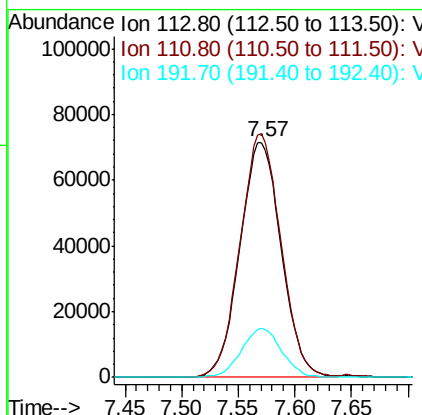
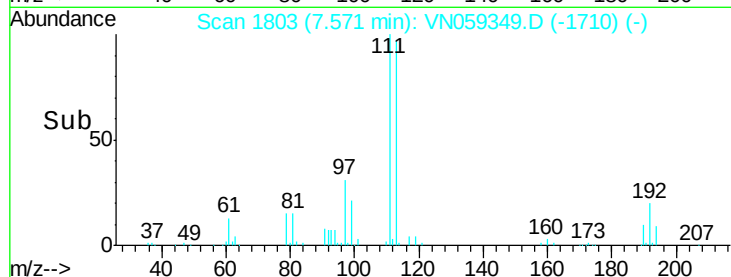
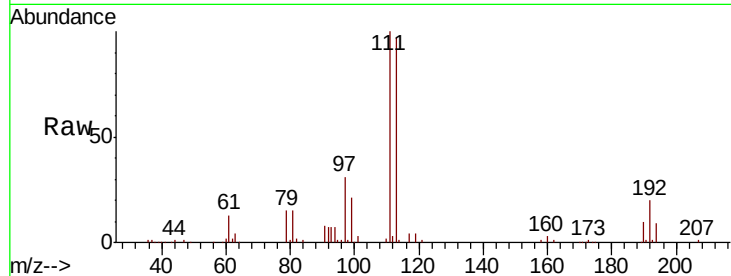
#35
Dibromofluoromethane
Concen: 51.001 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	20.3	16.3	24.5

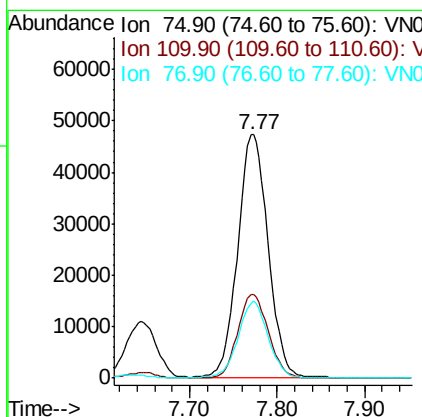
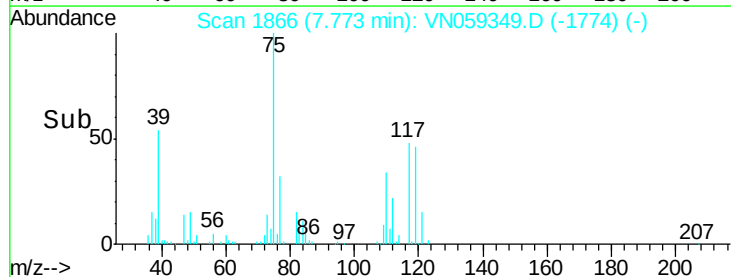
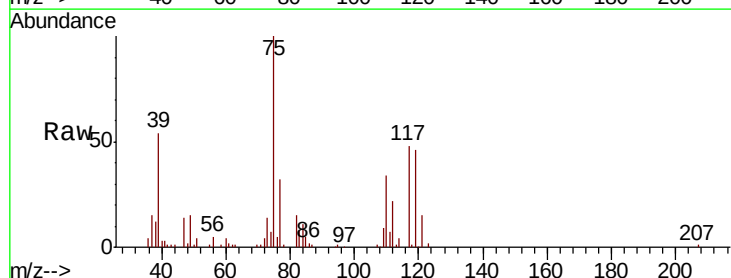
Manual Integrations
APPROVED

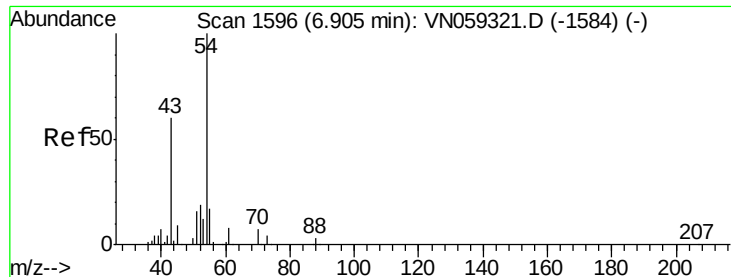
MMDadoda
11/22/2019 3:13:06 PM



#36
1,1-Dichloropropene
Concen: 18.710 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	51.0
77	31.3	24.8	37.2





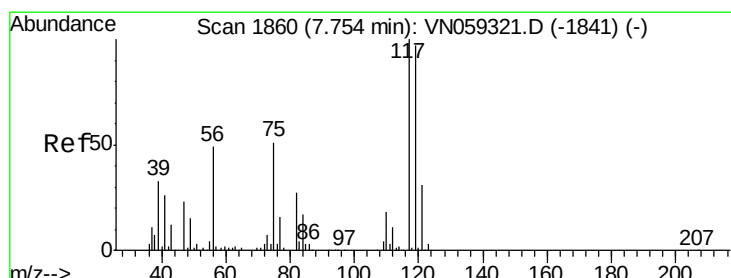
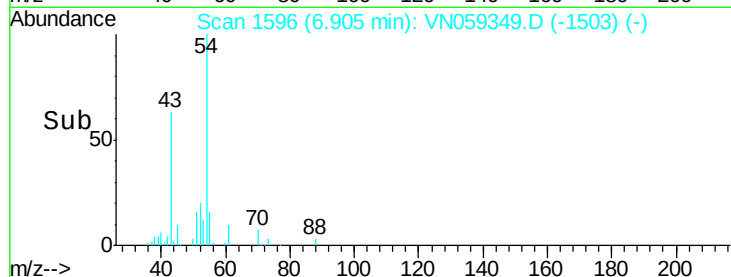
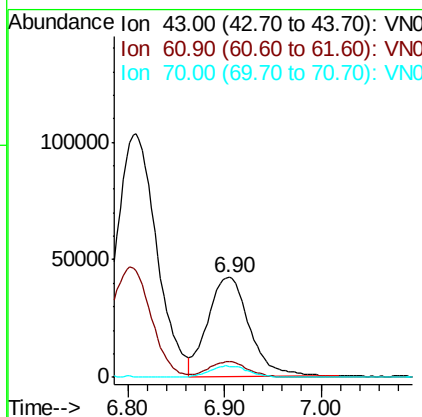
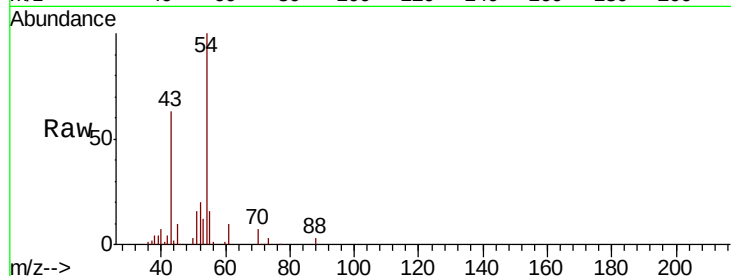
#37
Ethyl Acetate
Concen: 19.188 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.0	16.6
70	10.8	8.8	13.2

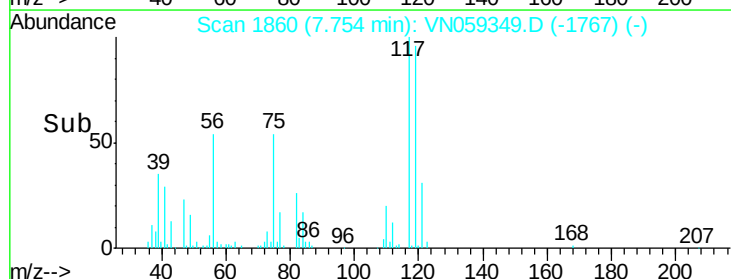
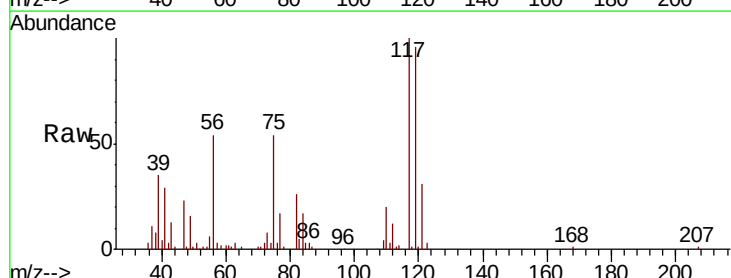
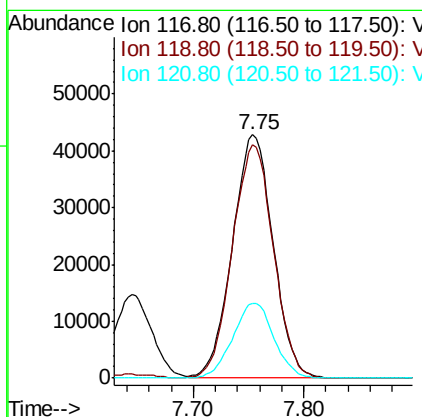
Manual Integrations
APPROVED

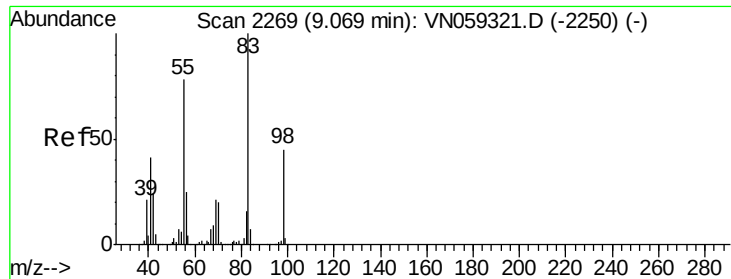
MMDadoda
11/22/2019 3:13:06 PM



#38
Carbon Tetrachloride
Concen: 18.704 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.0	115.4
121	30.8	24.4	36.6





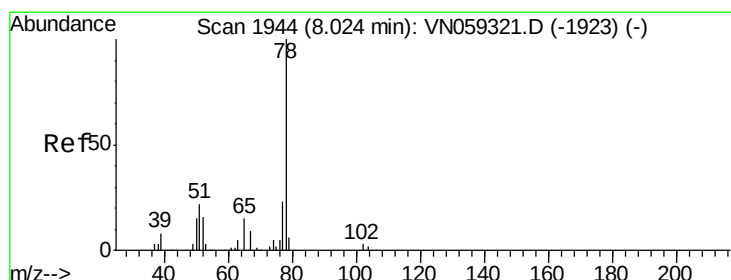
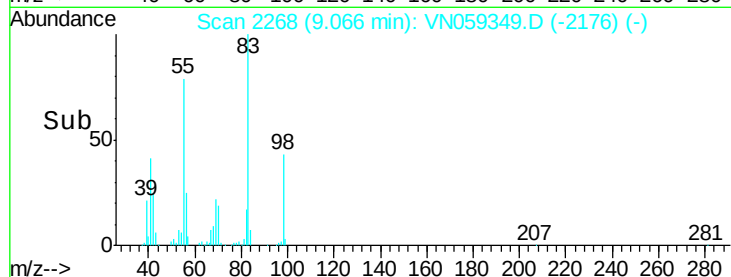
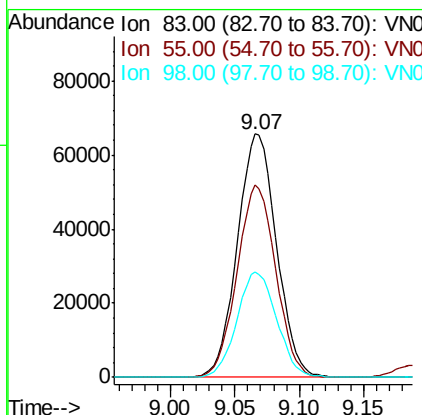
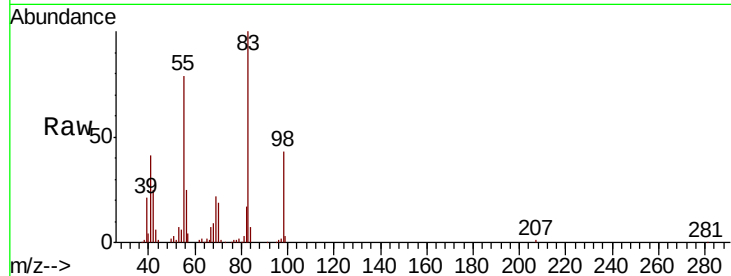
#39
Methylvlcyclohexane
Concen: 18.800 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	62.3	93.5
98	43.3	36.0	54.0

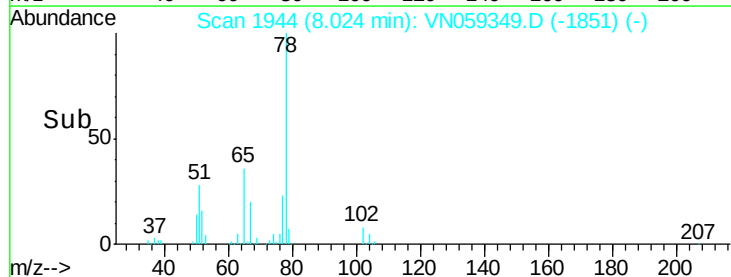
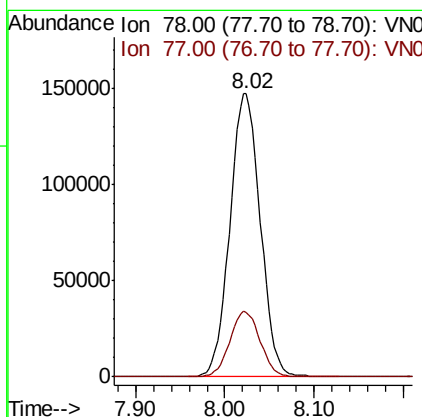
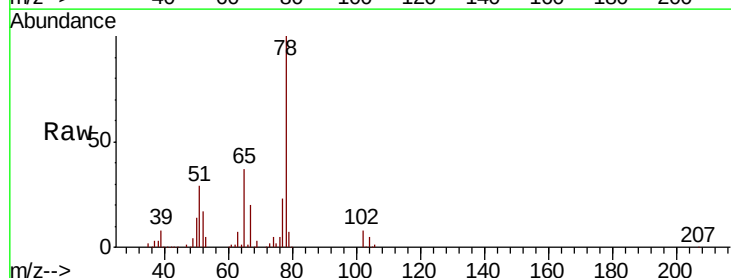
Manual Integrations
APPROVED

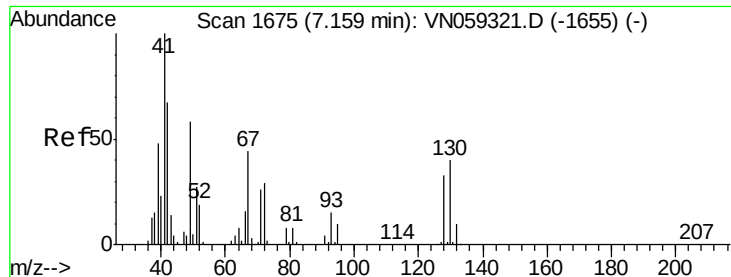
MMDadoda
11/22/2019 3:13:06 PM



#40
Benzene
Concen: 19.262 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6





#41

Methacrylonitrile

Concen: 20.646 ug/l m

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 41 Resp: 60322

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

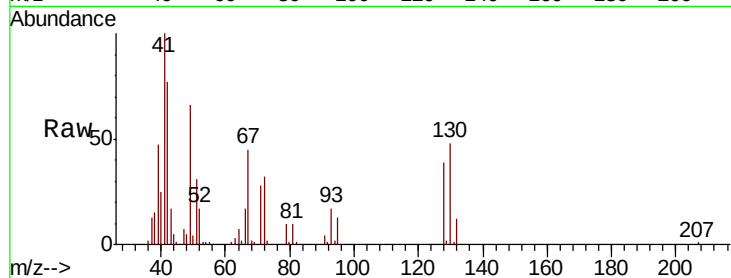
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

11/22/2019 3:13:06 PM

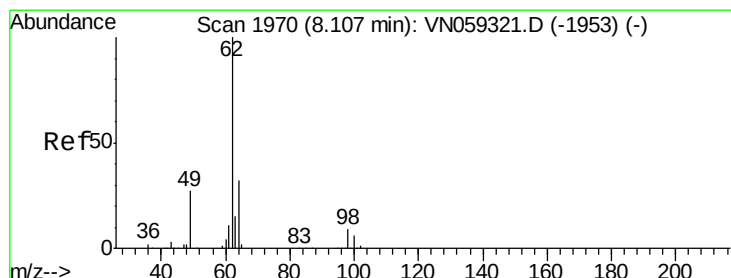
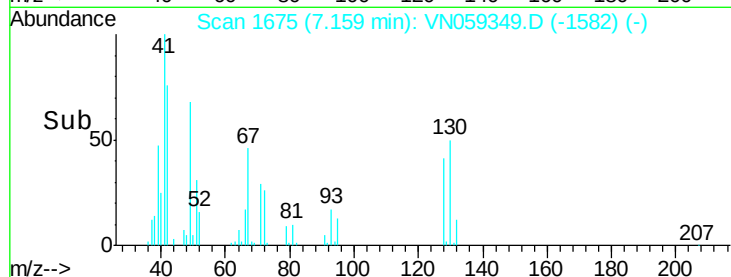
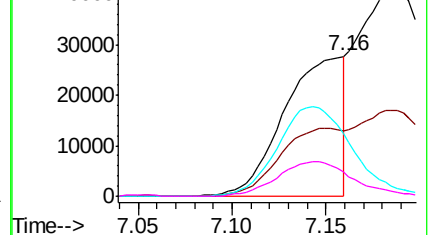


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.236 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VN059349.D

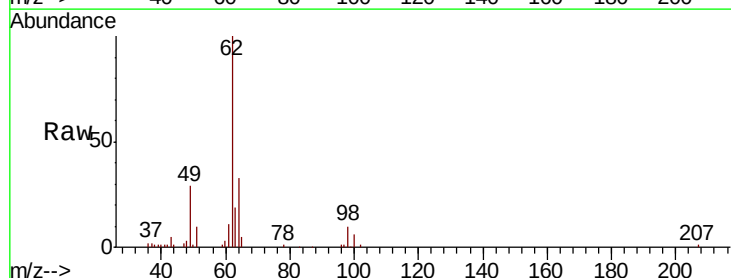
Acq: 21 Nov 2019 20:13

Tgt Ion: 62 Resp: 114344

Ion Ratio Lower Upper

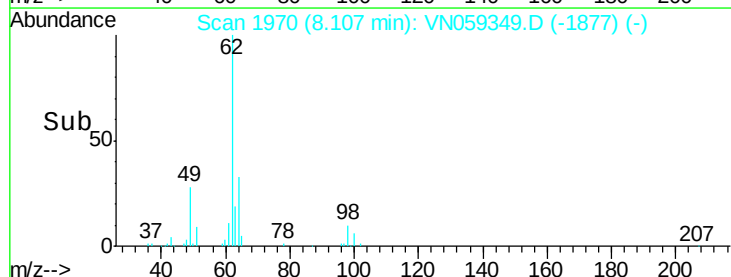
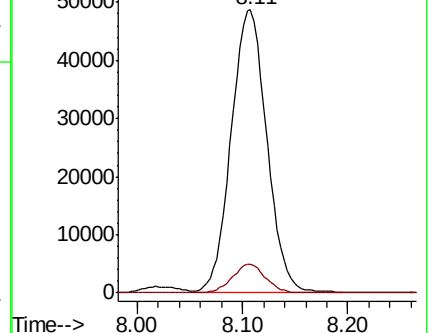
62 100

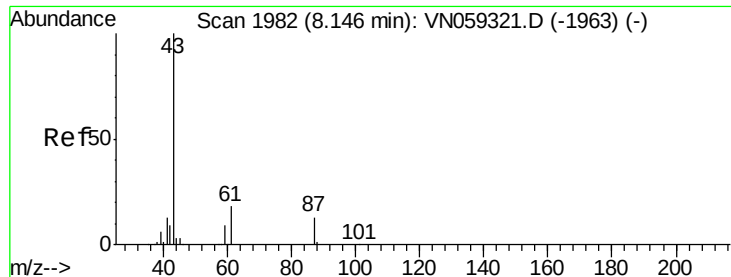
98 9.4 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.038 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

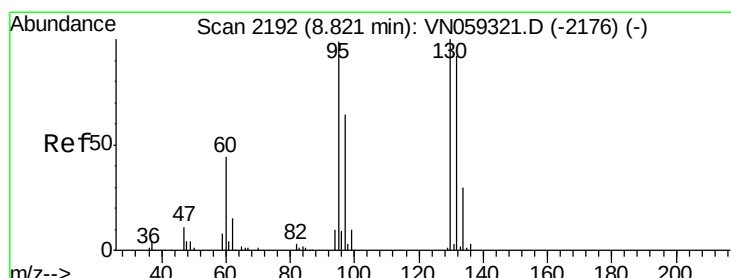
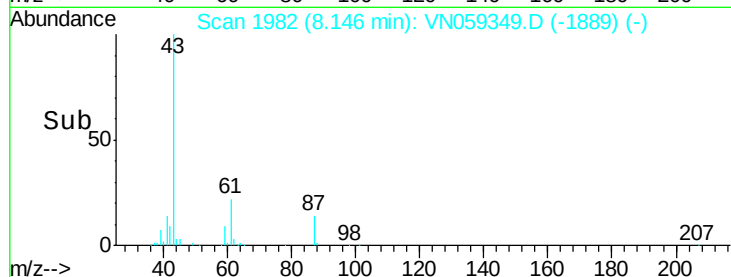
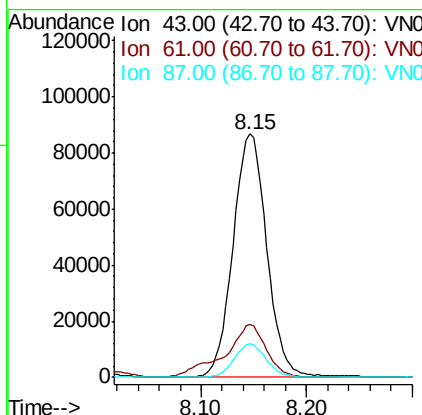
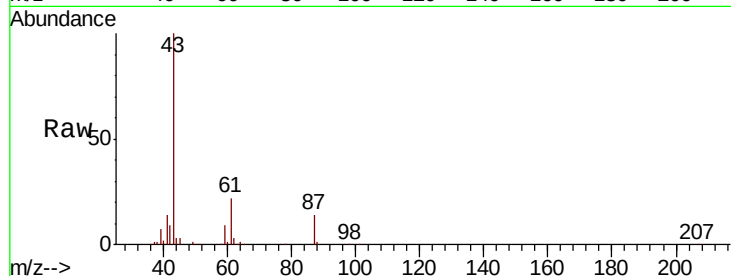
ClientSampleId :

VN1121MBS04

Tot Ion:	43	Resp:	191493
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.7	32.5
87	13.3	10.2	15.4

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM



#44

Trichloroethene

Concen: 19.058 ug/l

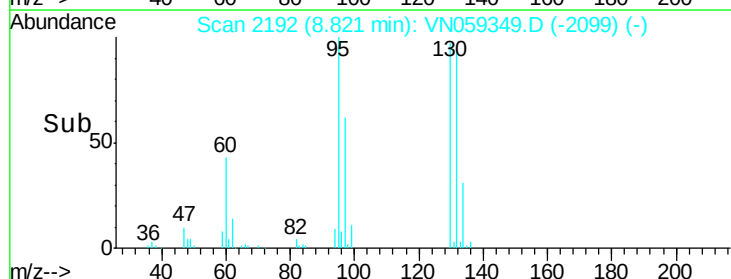
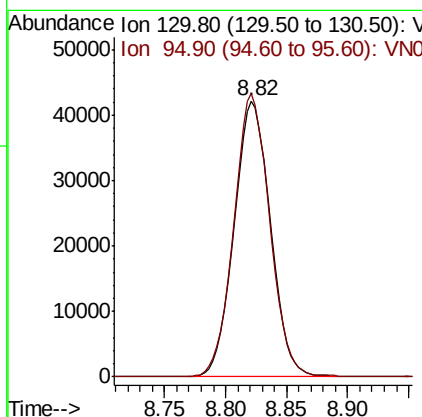
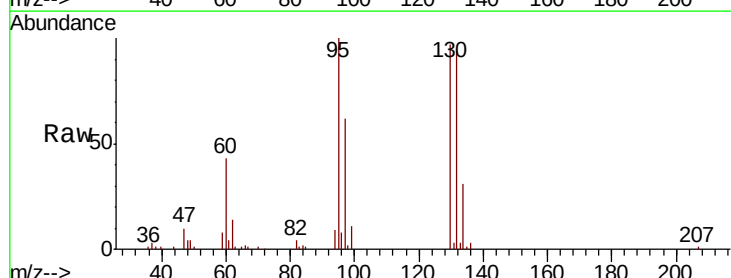
RT: 8.82 min Scan# 2192

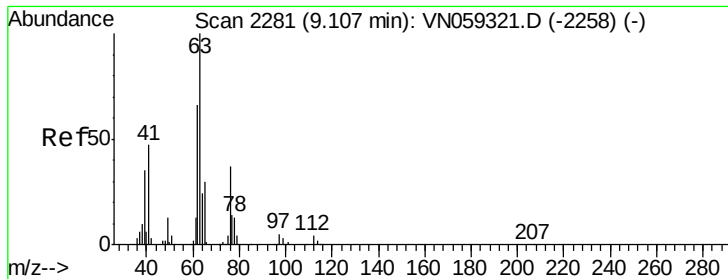
Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion:	130	Resp:	86810
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	198.4





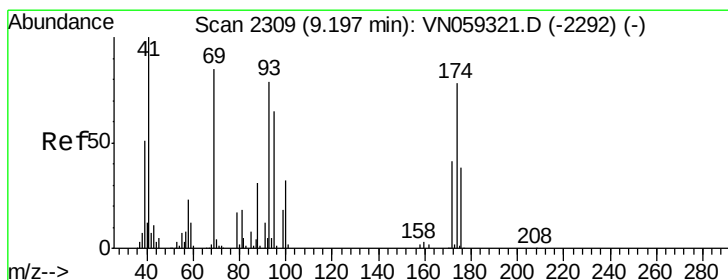
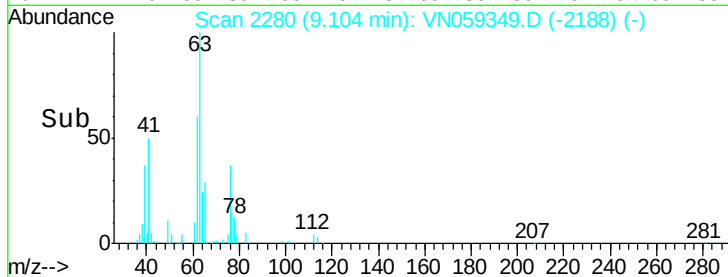
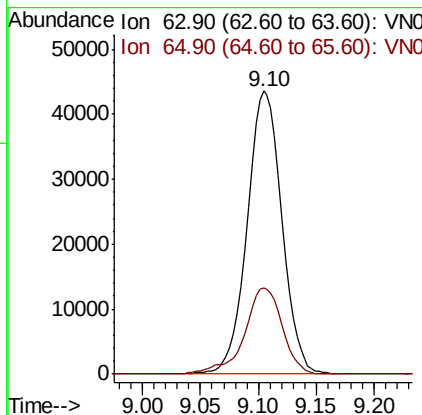
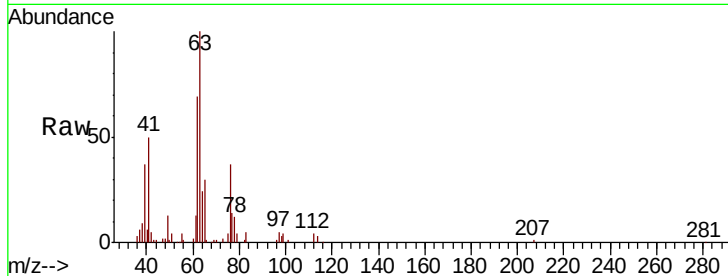
#45
 1,2-Dichloropropane
 Concen: 19.010 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS04

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.9	35.9

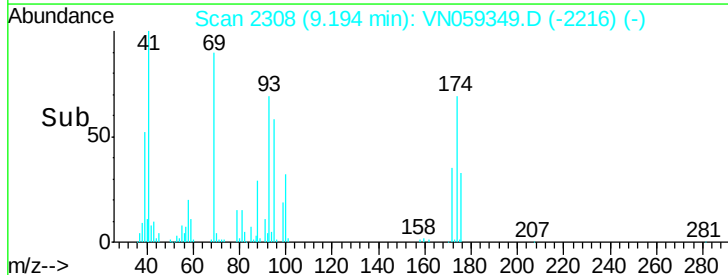
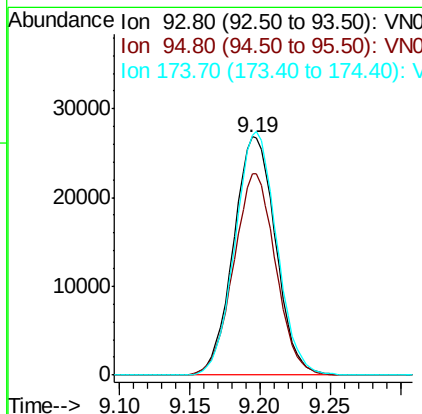
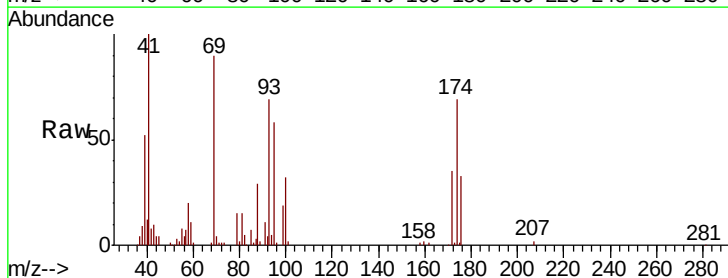
Manual Integrations
 APPROVED

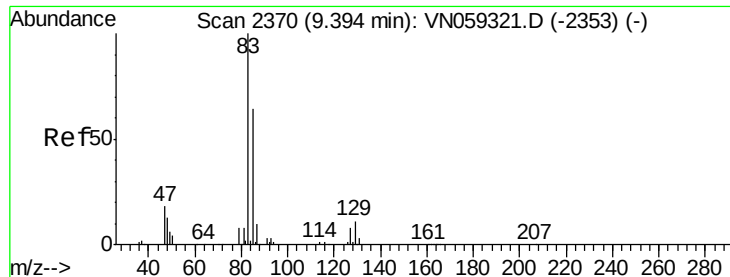
MMDadoda
 11/22/2019 3:13:06 PM



#46
 Dibromomethane
 Concen: 19.114 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.9	100.3
174	100.7	80.6	120.8





#47

Bromodichloromethane

Concen: 18.869 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

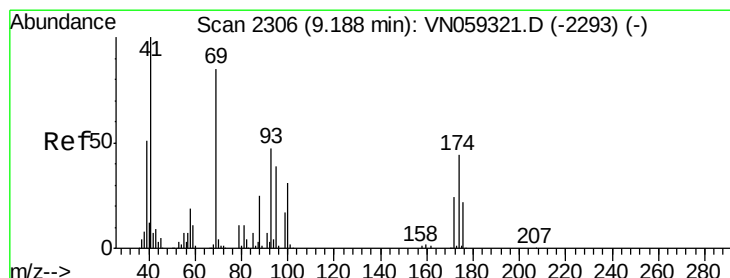
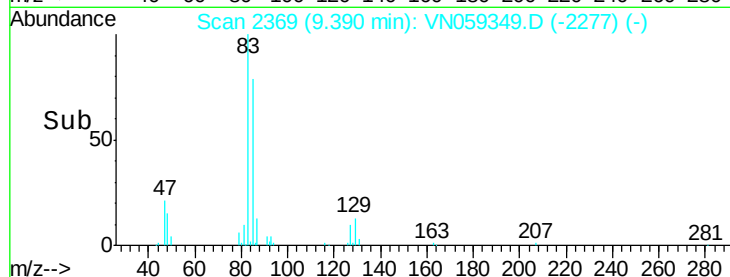
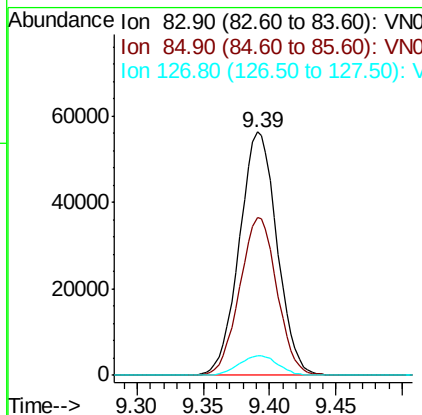
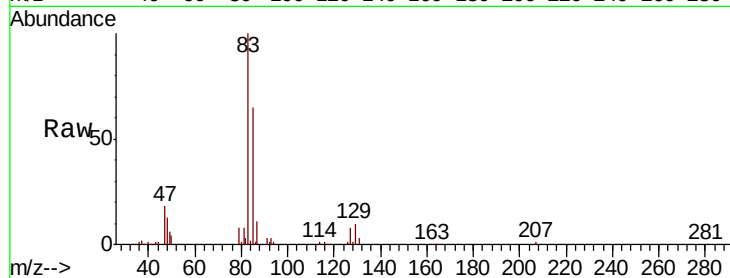
ClientSampleId :

VN1121MBS04

Tot Ion:	83	Resp:	111092
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.5	77.3
127	8.2	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM



#48

Methyl methacrylate

Concen: 18.533 ug/l

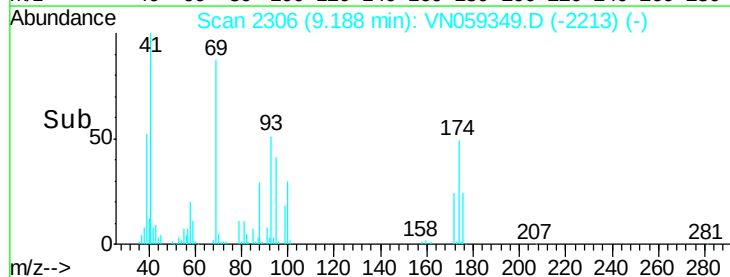
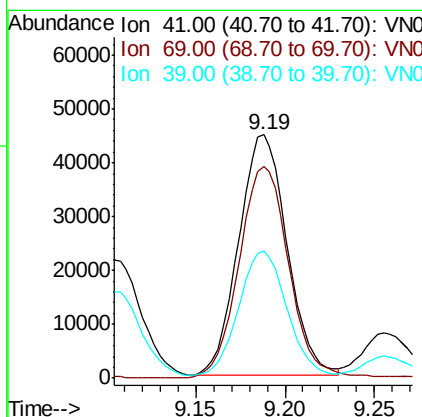
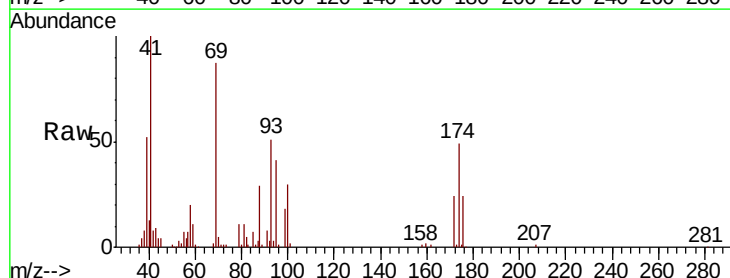
RT: 9.19 min Scan# 2306

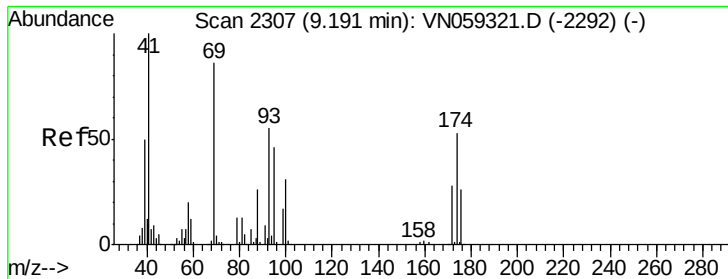
Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion:	41	Resp:	84769
Ion Ratio	Lower	Upper	
41	100		
69	90.8	68.8	103.2
39	53.1	42.1	63.1





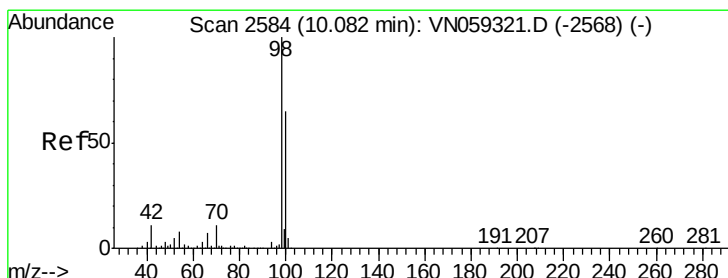
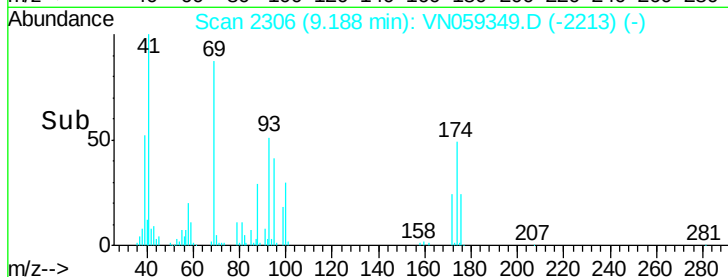
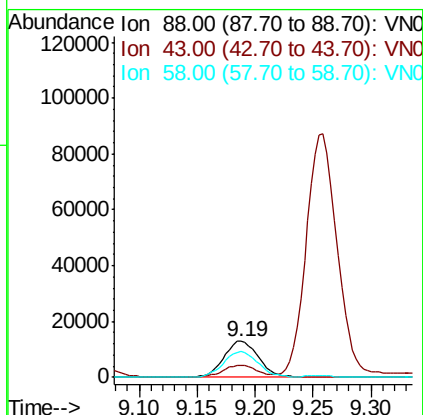
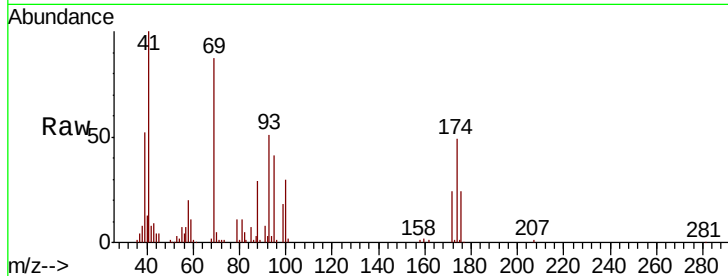
#49
1,4-Dioxane
Concen: 398.803 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	88	Resp	27415
Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.9	40.3
58	70.6	59.2	88.8

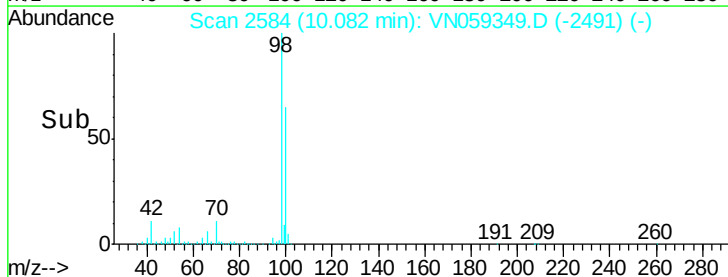
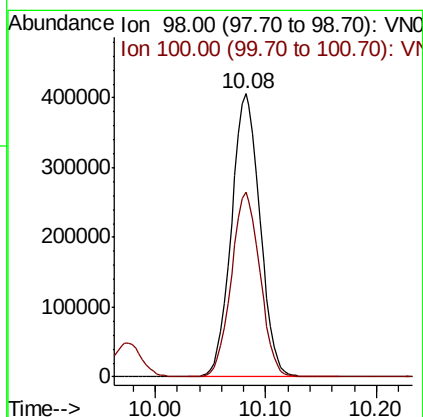
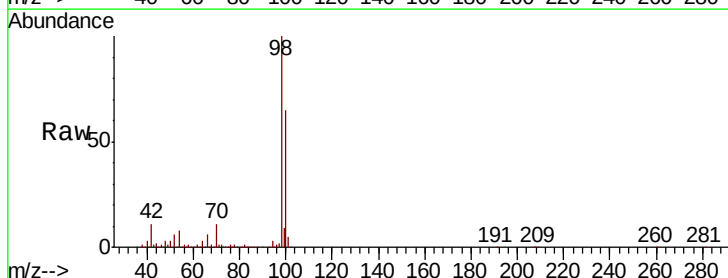
Manual Integrations
APPROVED

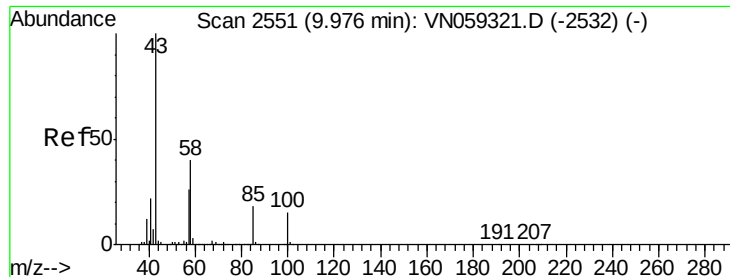
MMDadoda
11/22/2019 3:13:06 PM



#50
Toluene-d8
Concen: 51.495 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	98	Resp	728542
Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 101.499 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 43 Resp: 597559

Ion Ratio Lower Upper

43 100

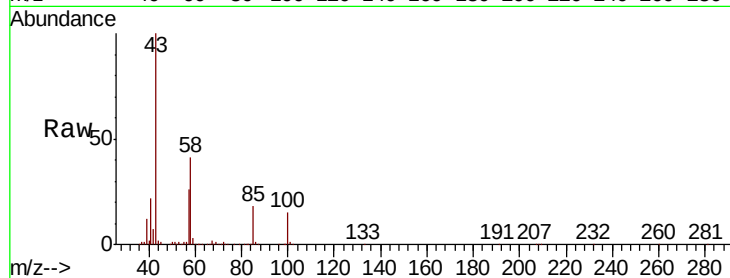
58 40.4 31.8 47.8

Manual Integrations

APPROVED

MMDadoda

11/22/2019 3:13:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

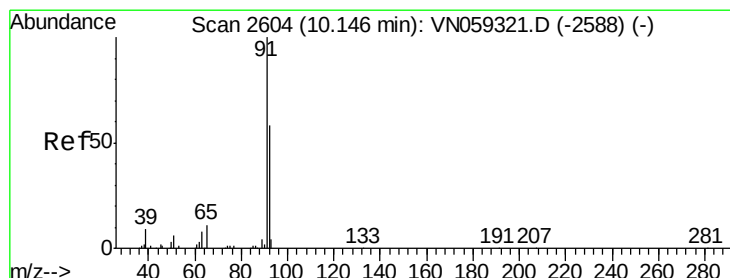
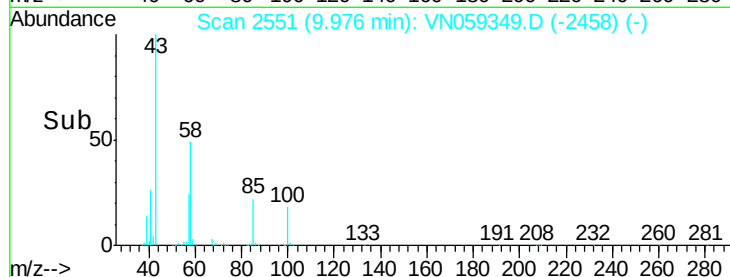
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.348 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059349.D

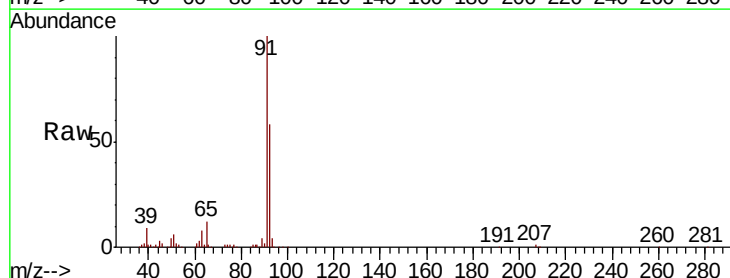
Acq: 21 Nov 2019 20:13

Tgt Ion: 92 Resp: 209094

Ion Ratio Lower Upper

92 100

91 173.5 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

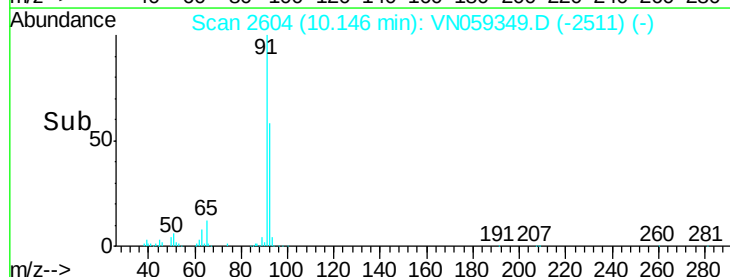
150000

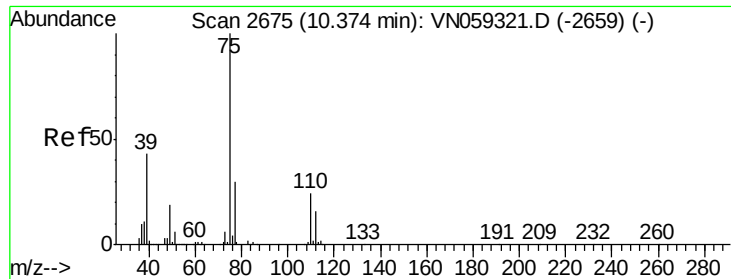
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.018 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 75 Resp: 130158

Ion Ratio Lower Upper

75 100

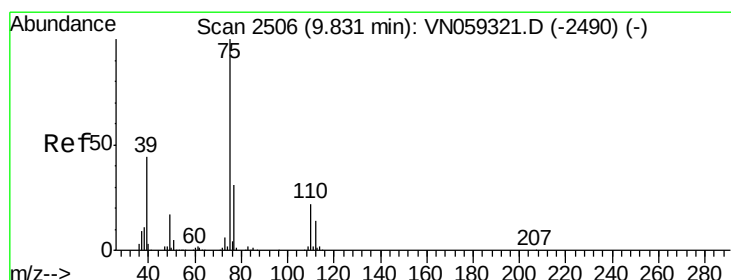
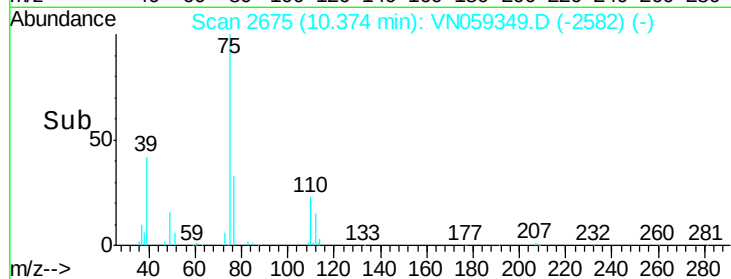
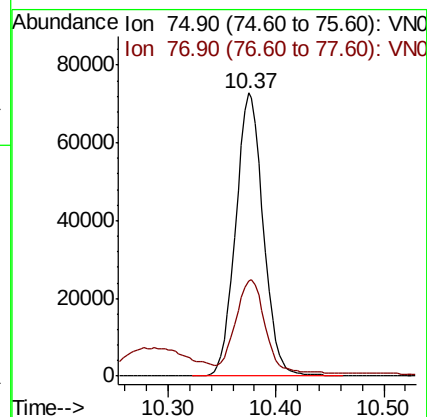
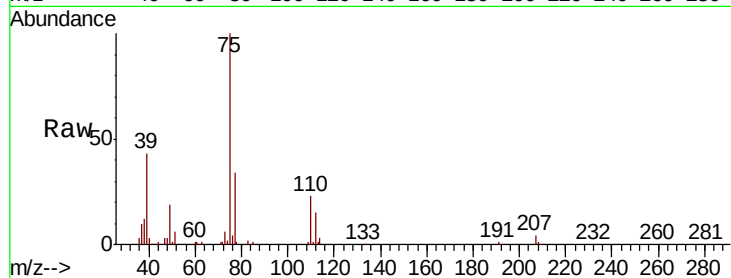
77 32.6 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

11/22/2019 3:13:06 PM



#54

cis-1,3-Dichloropropene

Concen: 19.144 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

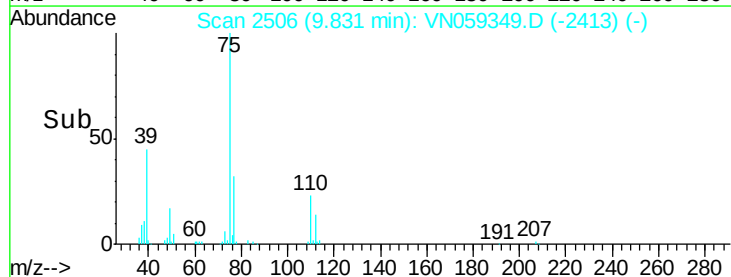
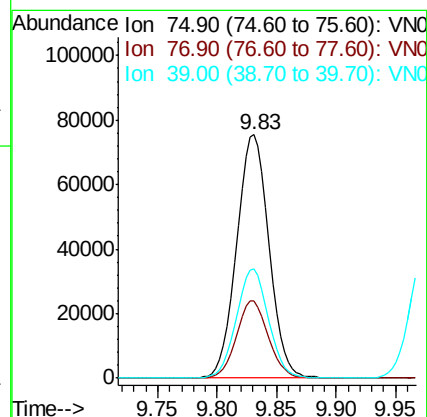
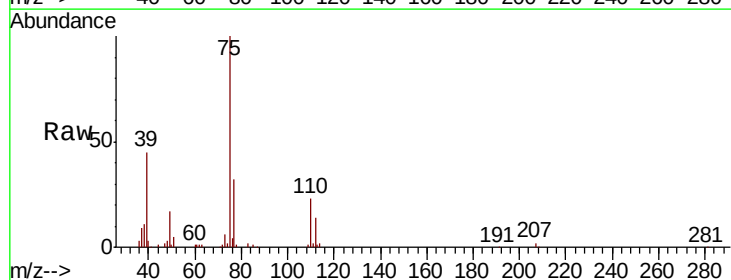
Tgt Ion: 75 Resp: 142175

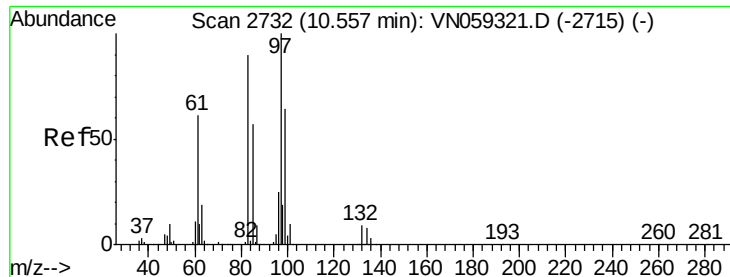
Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4

39 45.1 35.5 53.3





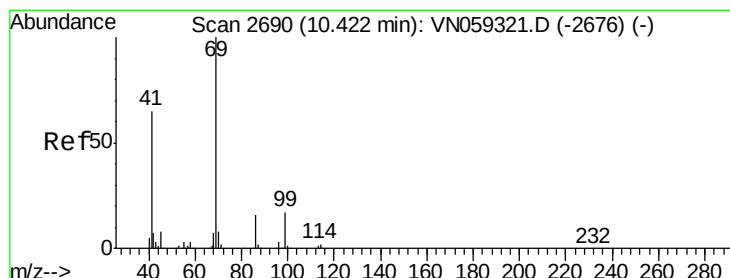
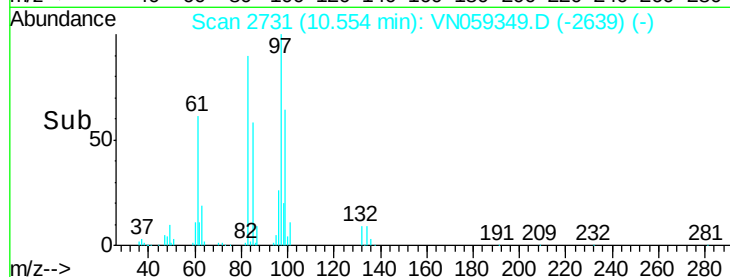
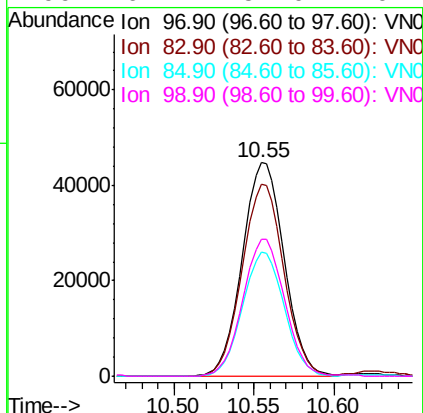
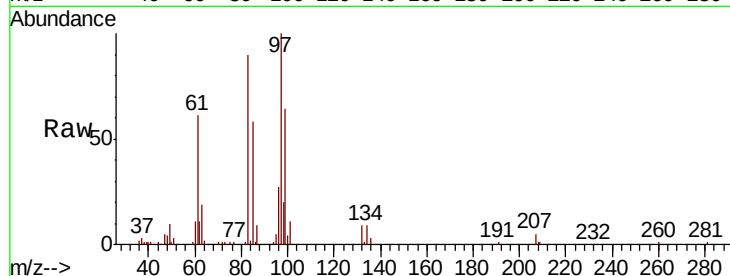
#55
 1,1,2-Trichloroethane
 Concen: 19.073 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS04

Tot Ion	97	Resp:	80145
Ion Ratio	Lower	Upper	
97	100		
83	90.0	72.0	108.0
85	58.0	45.8	68.6
99	64.2	51.0	76.4

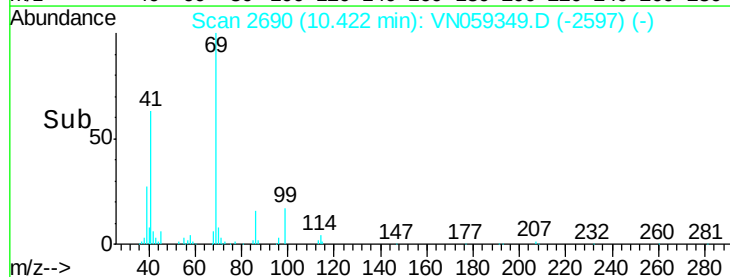
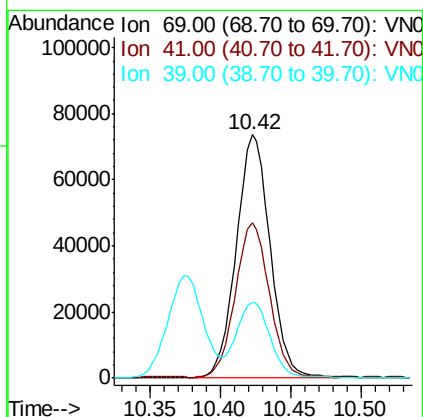
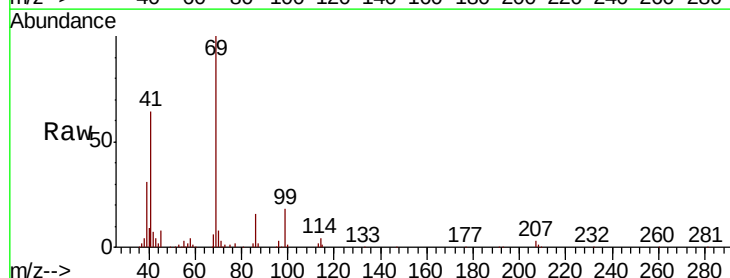
Manual Integrations
 APPROVED

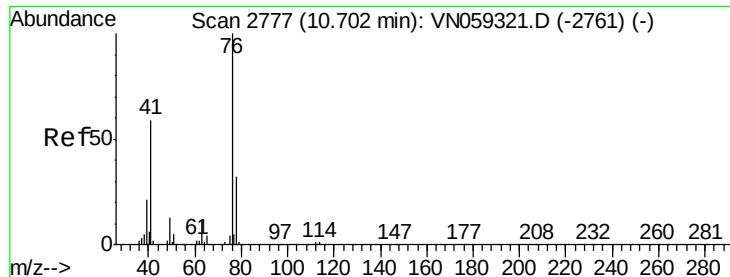
MMDadoda
 11/22/2019 3:13:06 PM



#56
 Ethyl methacrylate
 Concen: 18.908 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion	69	Resp:	124064
Ion Ratio	Lower	Upper	
69	100		
41	63.6	51.7	77.5
39	31.3	25.2	37.8





#57

1,3-Dichloropropane

Concen: 19.400 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 76 Resp: 142079

Ion Ratio Lower Upper

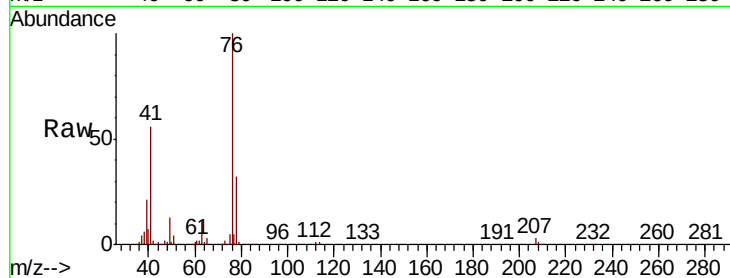
76 100

78 32.3 26.0 39.0

Manual Integrations
APPROVED

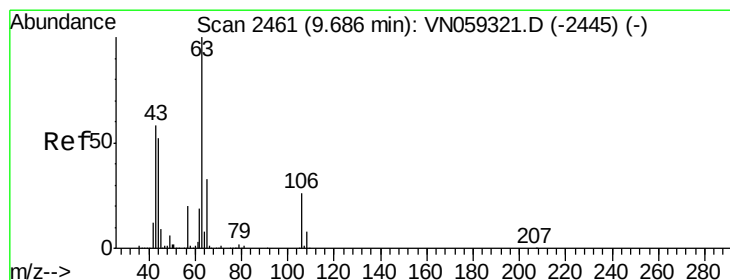
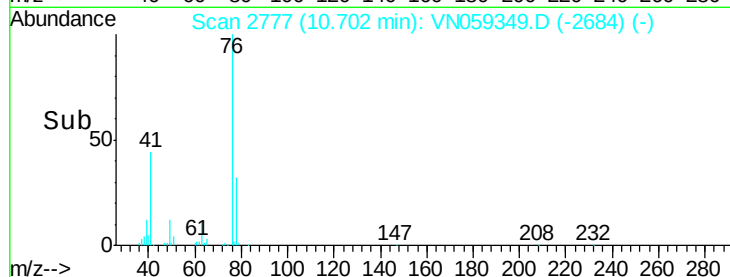
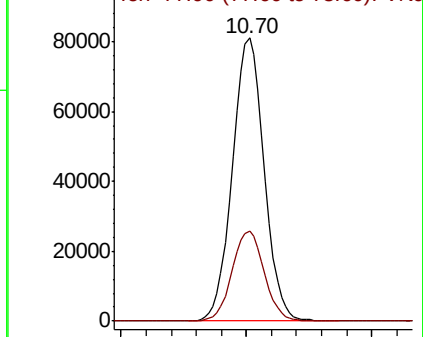
MMDadoda

11/22/2019 3:13:06 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.369 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059349.D

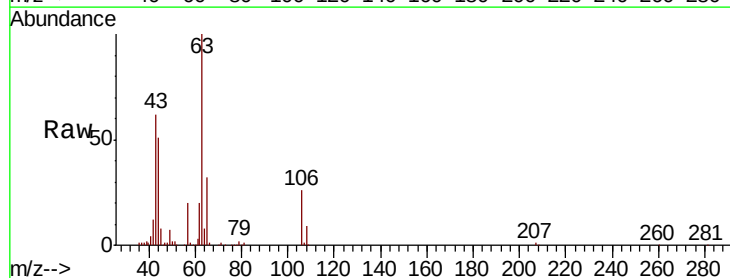
Acq: 21 Nov 2019 20:13

Tgt Ion: 63 Resp: 216631

Ion Ratio Lower Upper

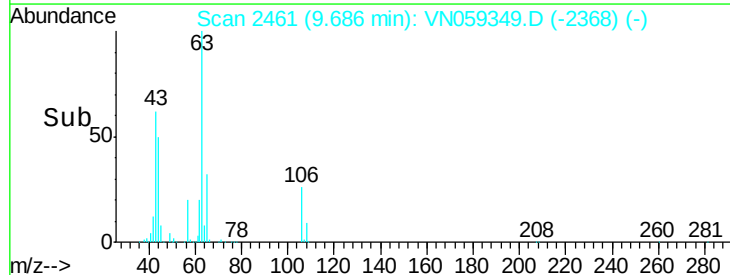
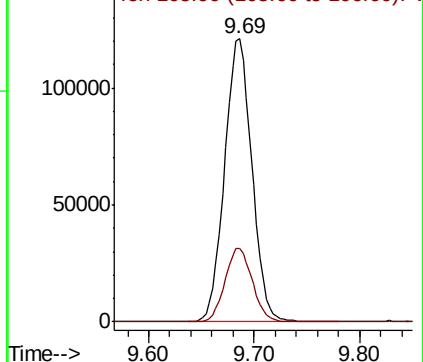
63 100

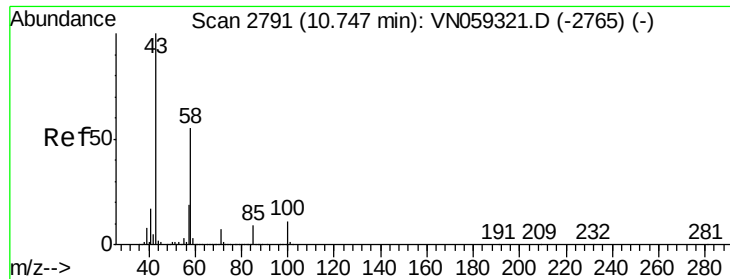
106 26.0 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





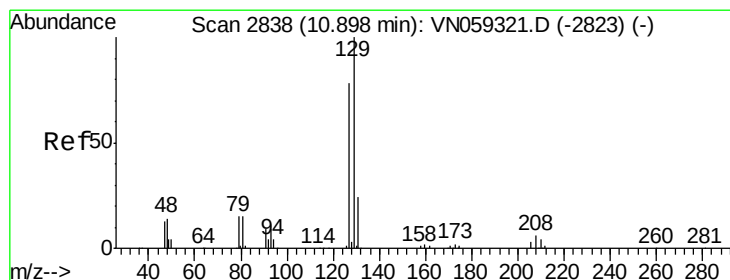
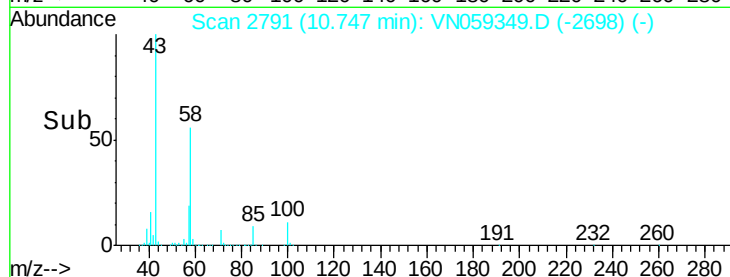
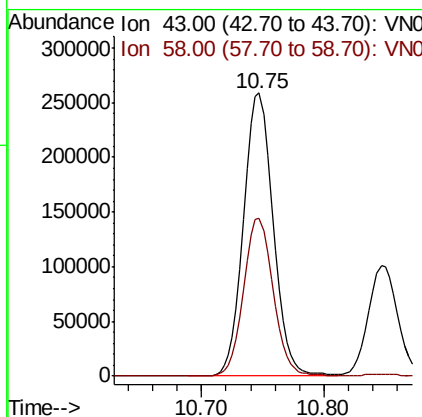
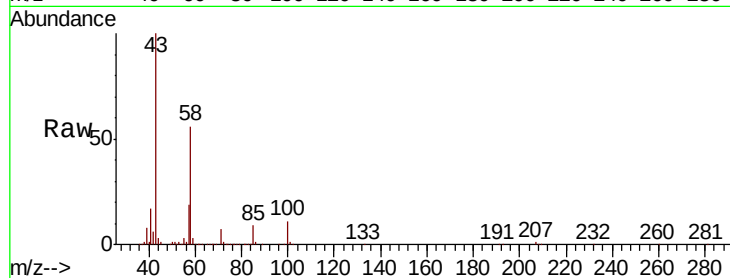
#59
2-Hexanone
Concen: 100.538 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion: 43 Resp: 433415
Ion Ratio Lower Upper
43 100
58 55.9 27.7 83.0

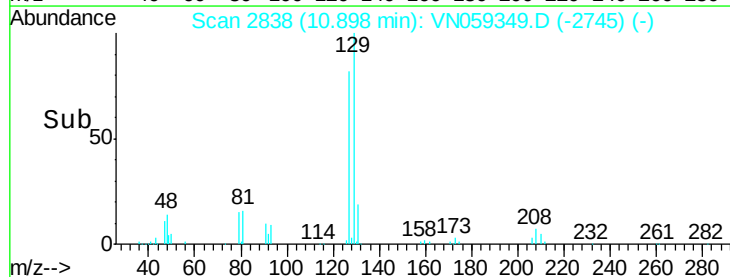
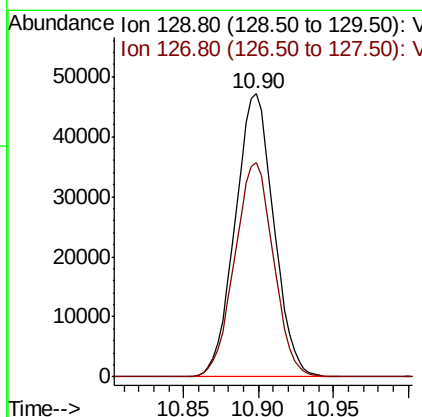
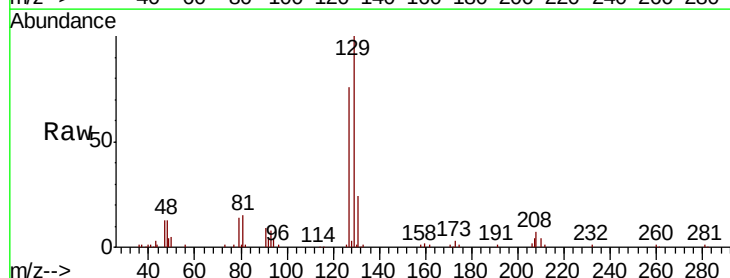
Manual Integrations
APPROVED

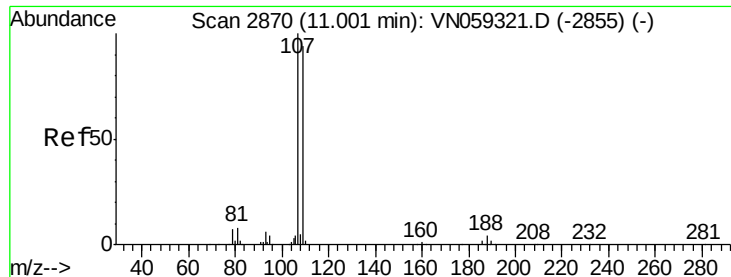
MMDadoda
11/22/2019 3:13:06 PM



#60
Dibromochloromethane
Concen: 19.178 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 129 Resp: 84917
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.5





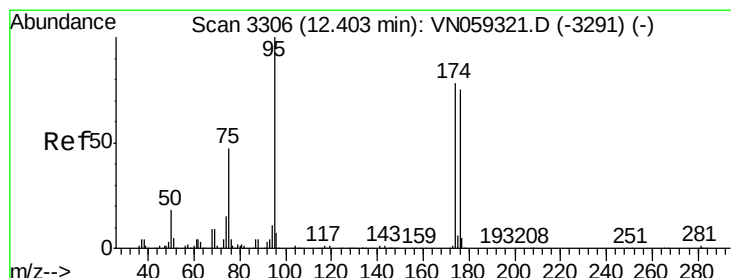
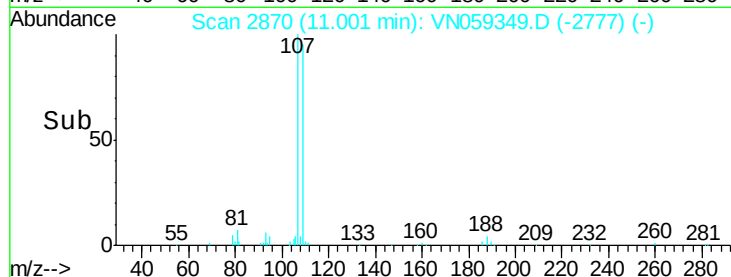
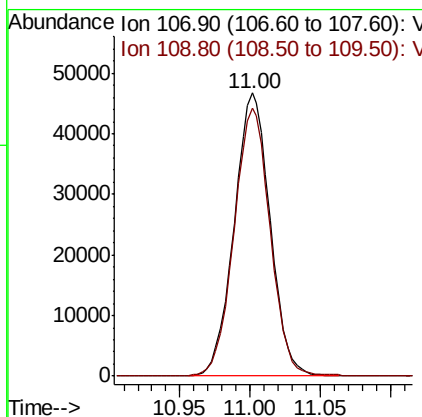
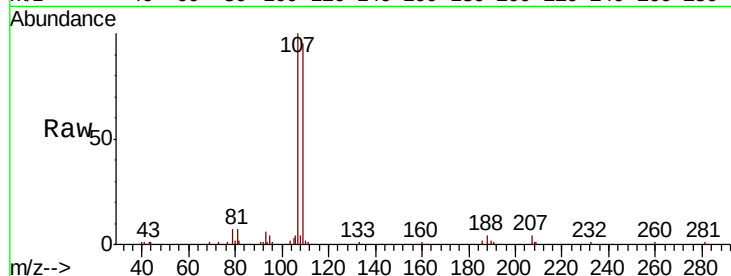
#61
 1,2-Dibromoethane
 Concen: 19.054 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS04

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.2

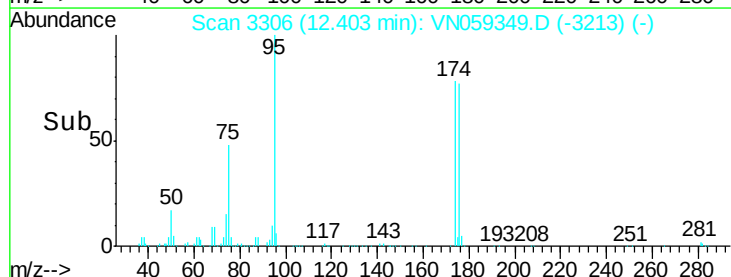
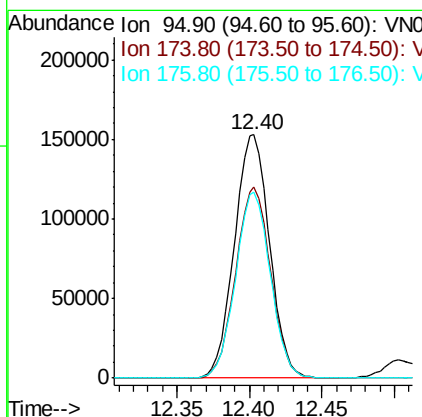
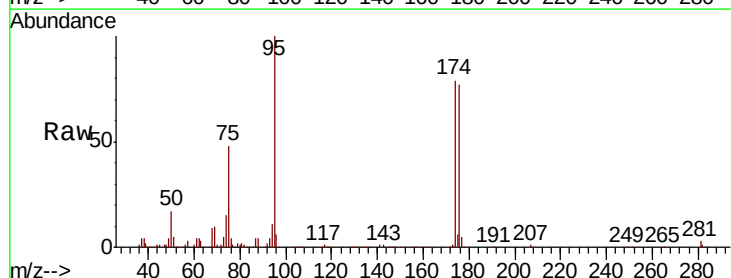
Manual Integrations
 APPROVED

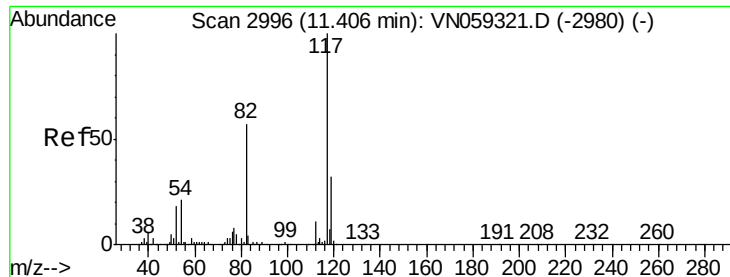
MMDadoda
 11/22/2019 3:13:06 PM



#62
 4-Bromofluorobenzene
 Concen: 51.978 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	157.4
176	76.0	0.0	151.2





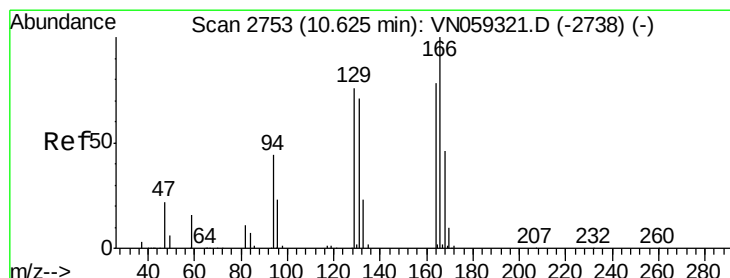
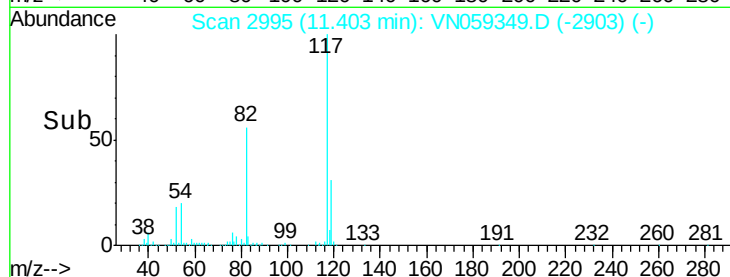
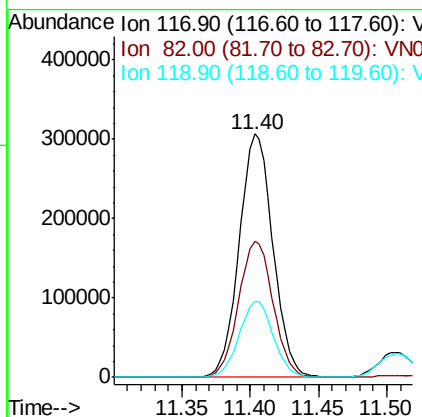
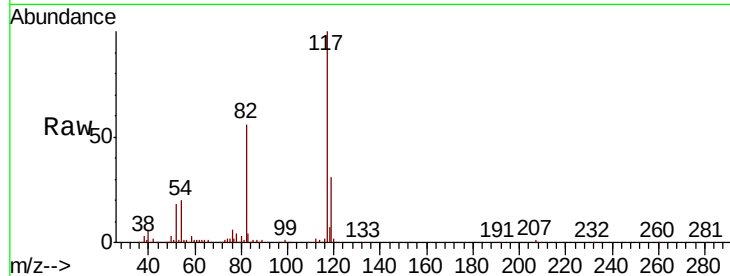
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.7	68.5
119	31.3	25.8	38.6

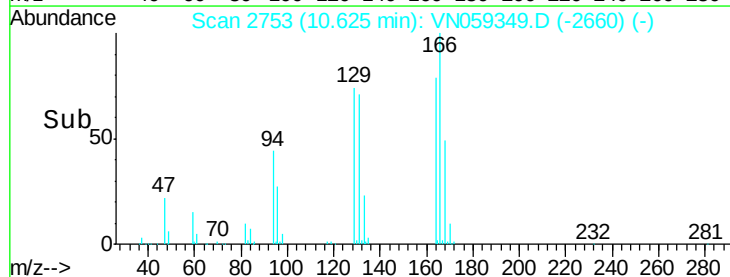
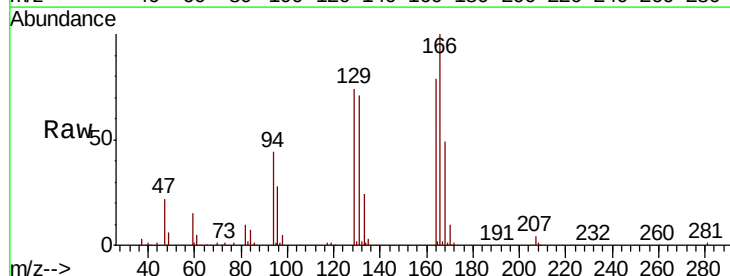
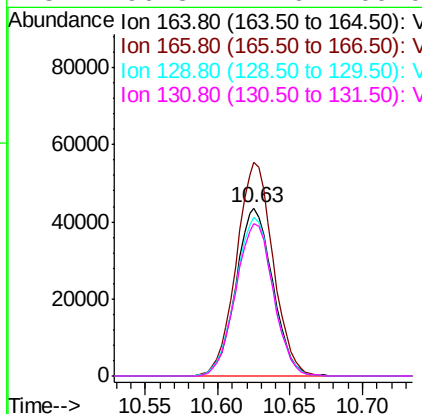
Manual Integrations
APPROVED

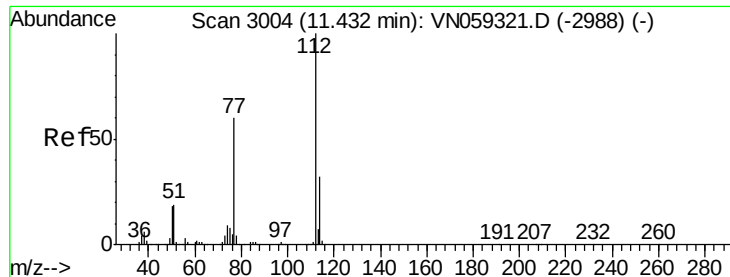
MMDadoda
11/22/2019 3:13:06 PM



#64
Tetrachloroethene
Concen: 18.849 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.9	154.3
129	94.2	78.2	117.2
131	90.3	72.6	109.0





#65

Chlorobenzene

Concen: 19.222 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion:112 Resp: 217563

Ion Ratio Lower Upper

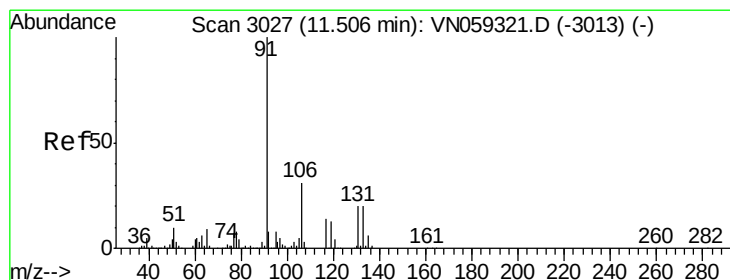
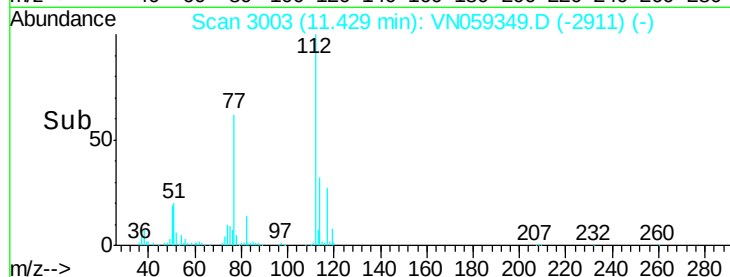
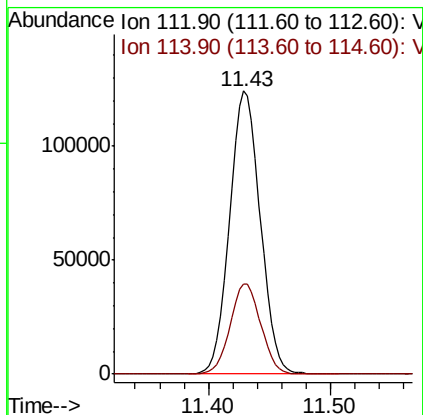
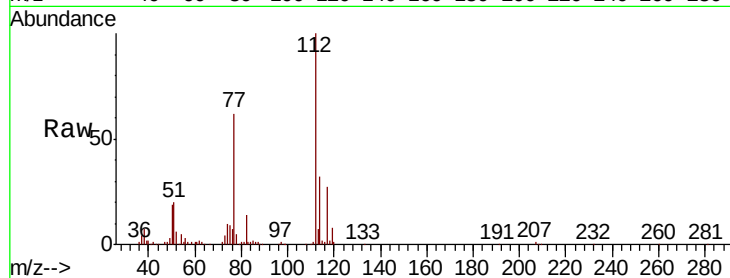
112 100

114 32.0 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

11/22/2019 3:13:06 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.265 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

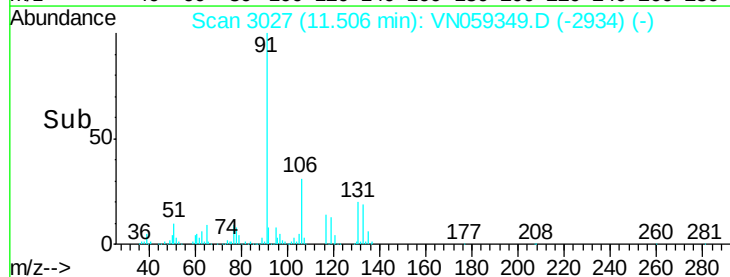
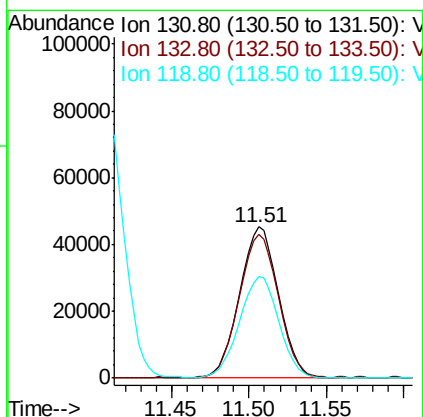
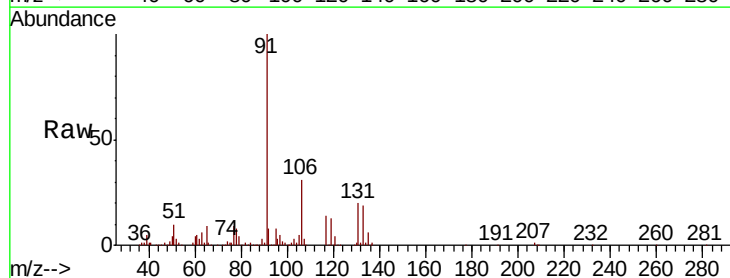
Tgt Ion:131 Resp: 79212

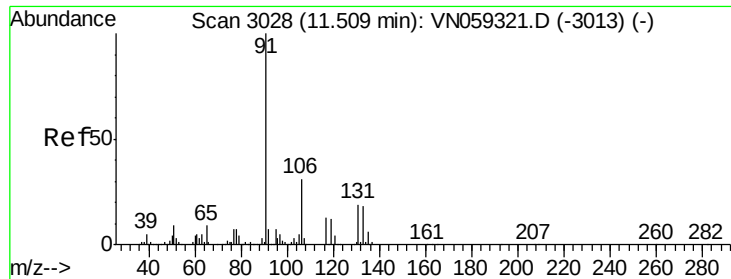
Ion Ratio Lower Upper

131 100

133 95.1 48.2 144.6

119 68.4 33.6 100.6





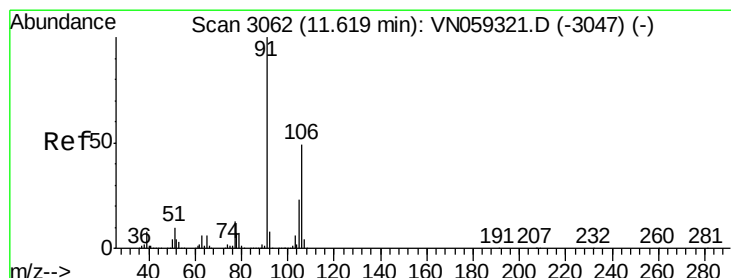
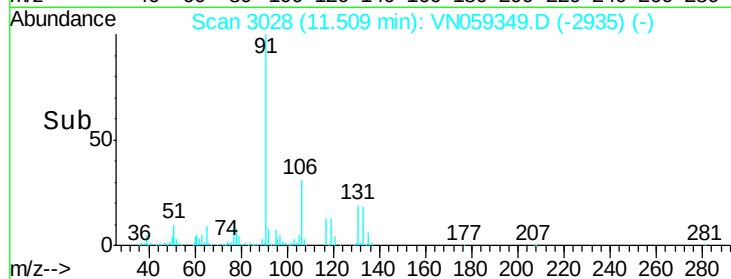
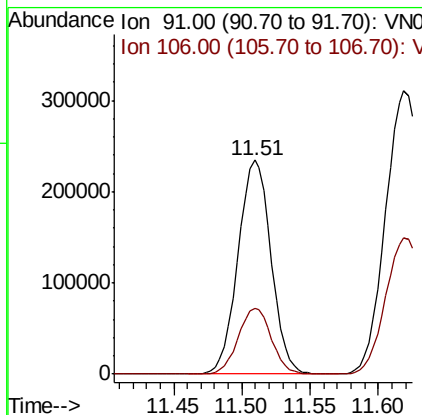
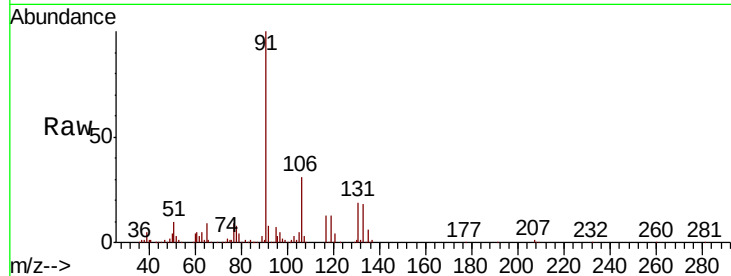
#67
Ethyl Benzene
Concen: 19.499 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion: 91 Resp: 394047
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0

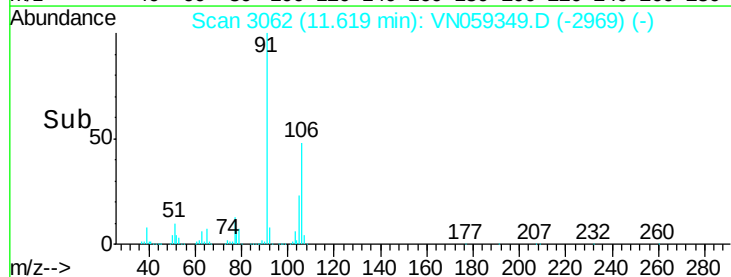
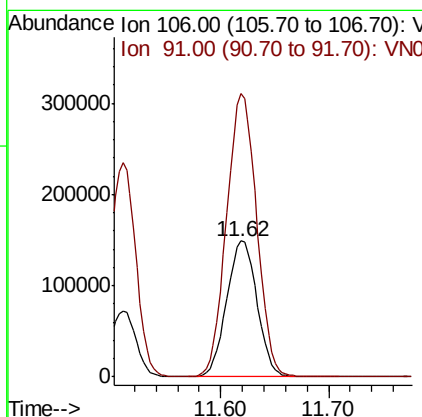
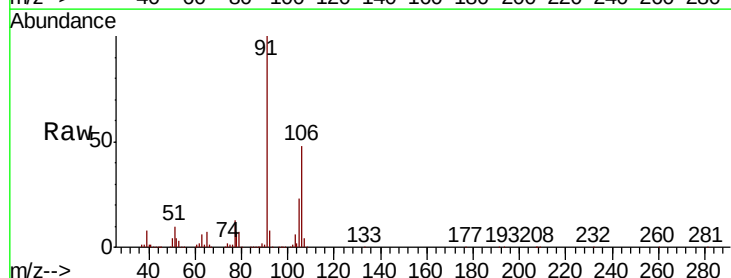
Manual Integrations
APPROVED

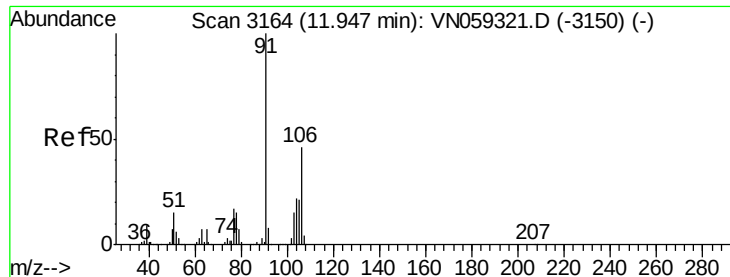
MMDadoda
11/22/2019 3:13:06 PM



#68
m/p-Xylenes
Concen: 39.076 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion: 106 Resp: 293434
Ion Ratio Lower Upper
106 100
91 205.5 163.2 244.8





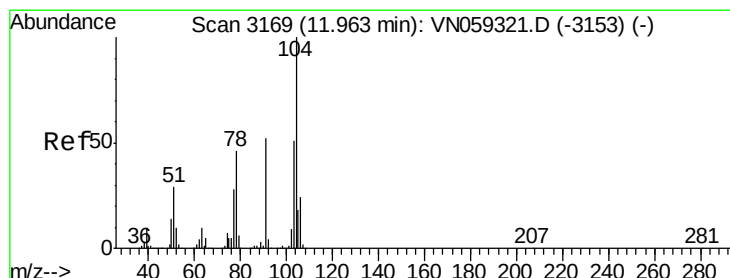
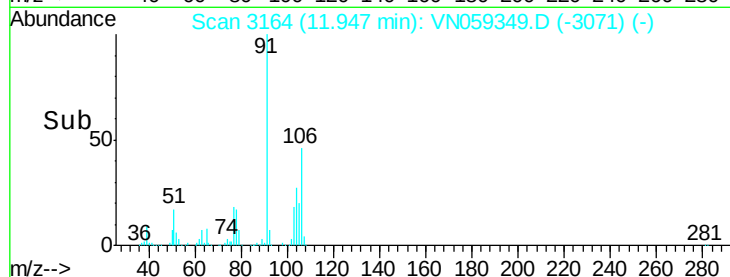
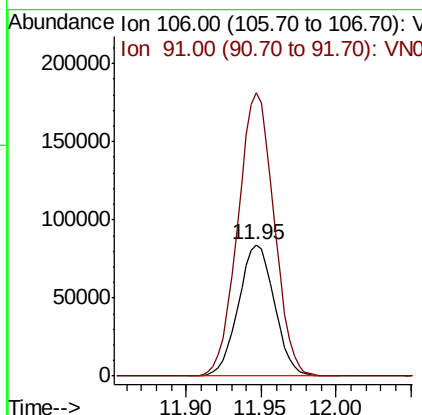
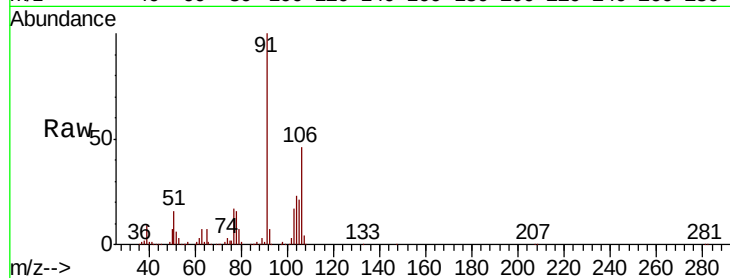
#69
o-Xylene
Concen: 19.563 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.3	109.3	327.9	

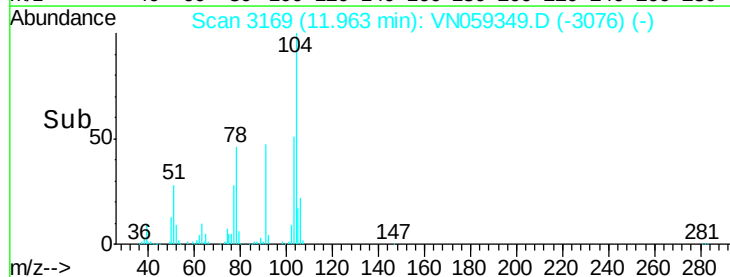
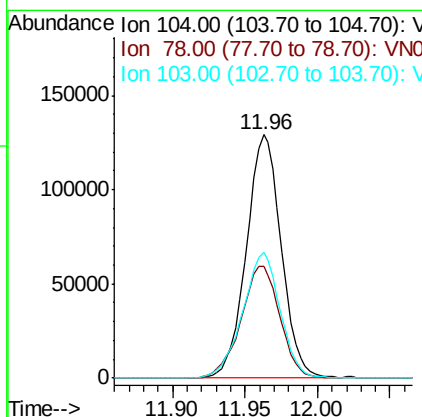
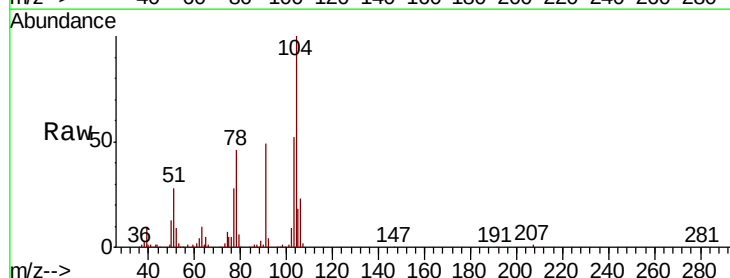
Manual Integrations
APPROVED

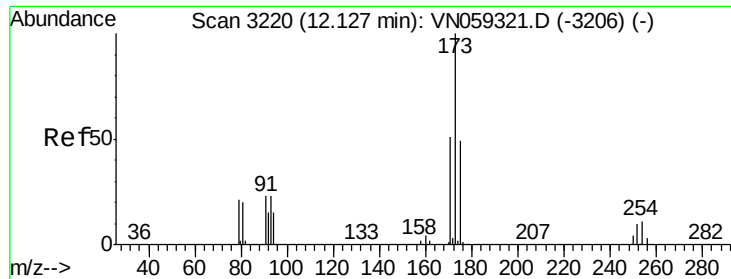
MMDadoda
11/22/2019 3:13:06 PM



#70
Styrene
Concen: 19.092 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.6	40.3	60.5	
103	55.6	43.6	65.4	





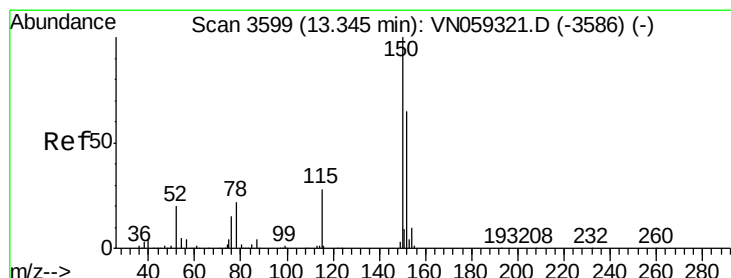
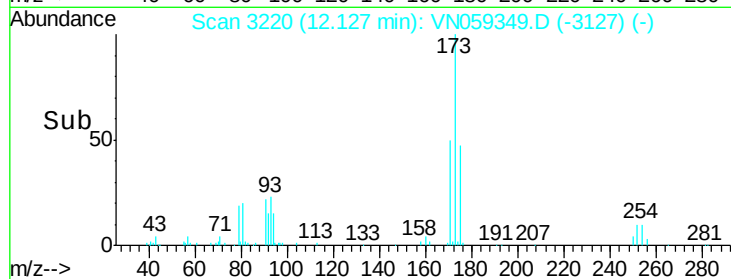
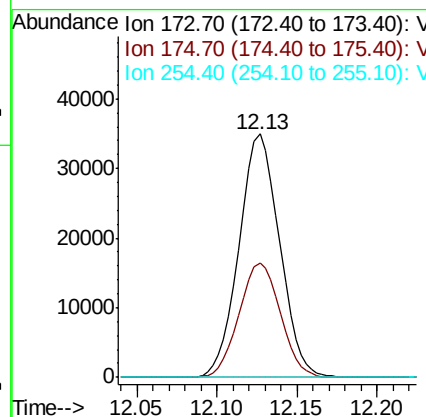
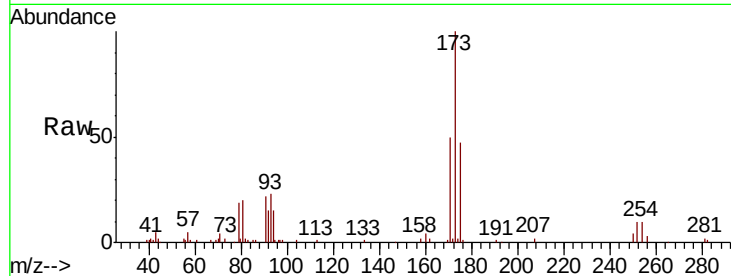
#71
Bromoform
Concen: 19.392 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	73.6
254	0.0	0.1	0.1#

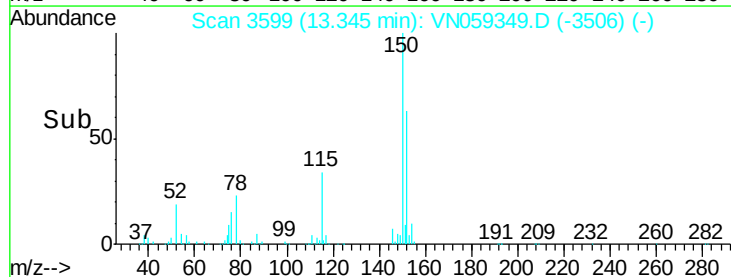
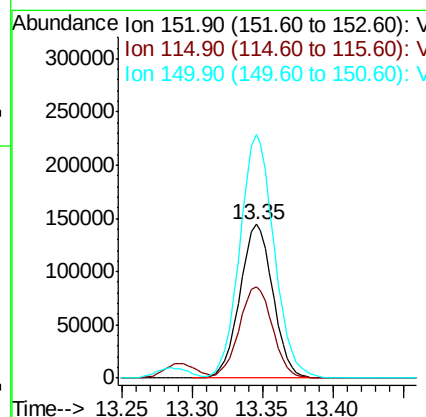
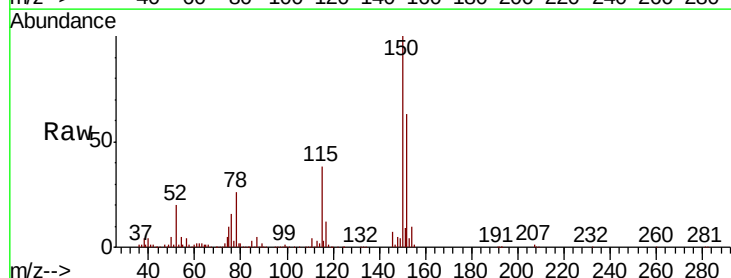
Manual Integrations
APPROVED

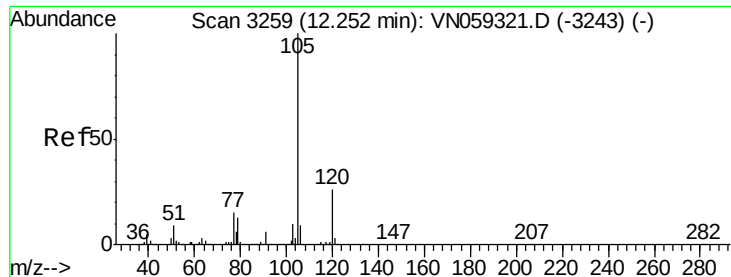
MMDadoda
11/22/2019 3:13:06 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.3	88.0
150	163.8	0.0	346.0





#73

Isopropylbenzene

Concen: 19.358 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 105 Resp: 376185

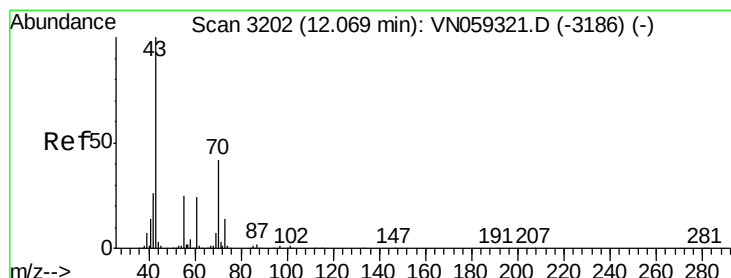
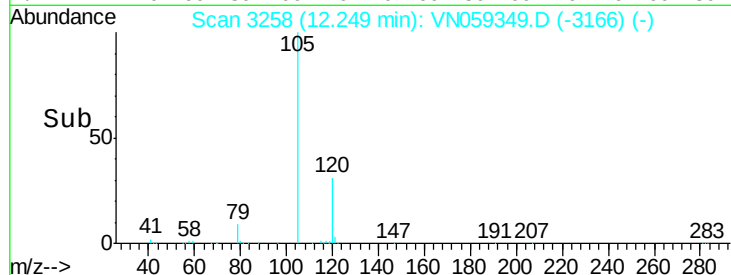
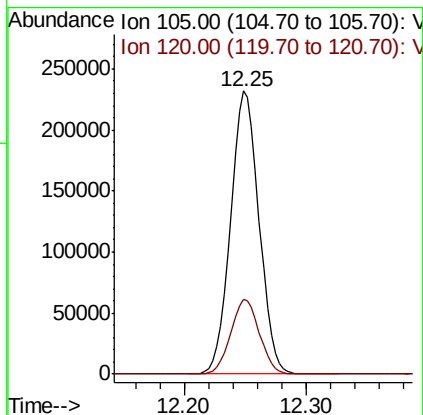
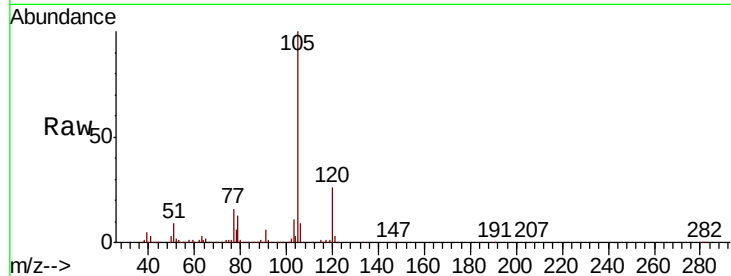
Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM



#74

N-ethyl acetate

Concen: 19.749 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion: 43 Resp: 154235

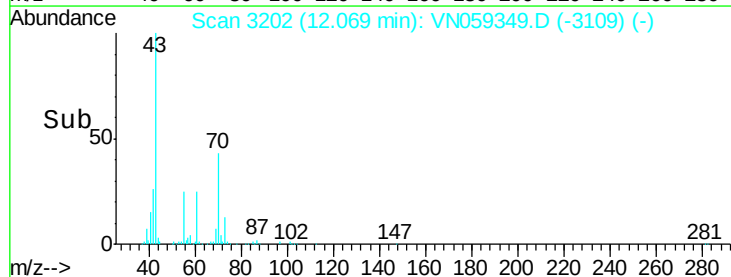
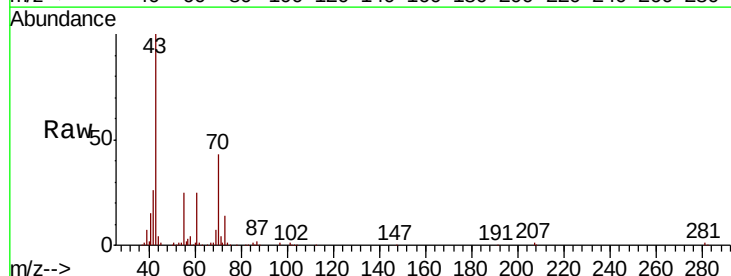
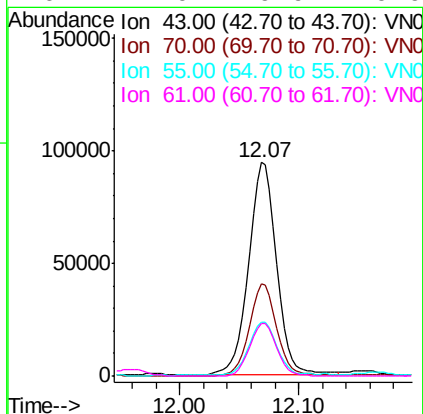
Ion Ratio Lower Upper

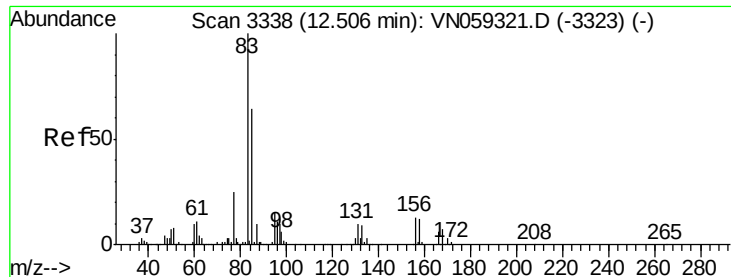
43 100

70 42.9 33.8 50.6

55 25.1 20.3 30.5

61 24.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.865 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion: 83 Resp: 121268

Ion Ratio Lower Upper

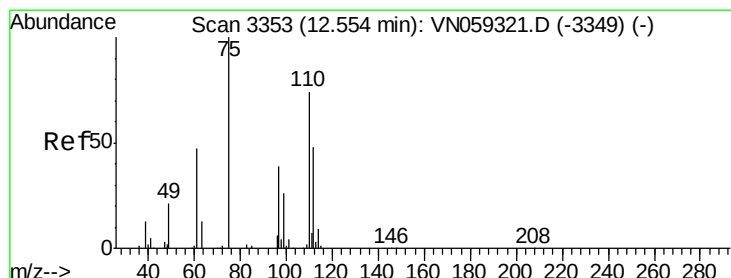
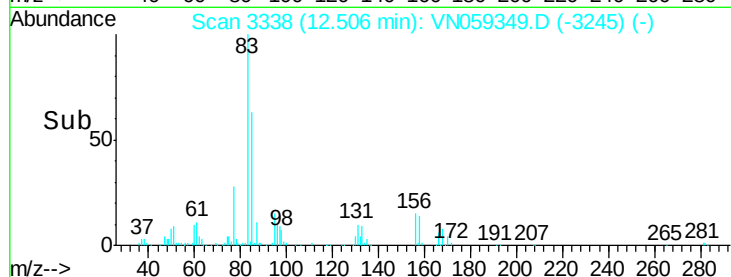
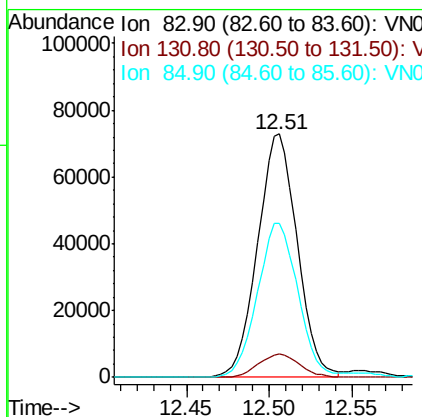
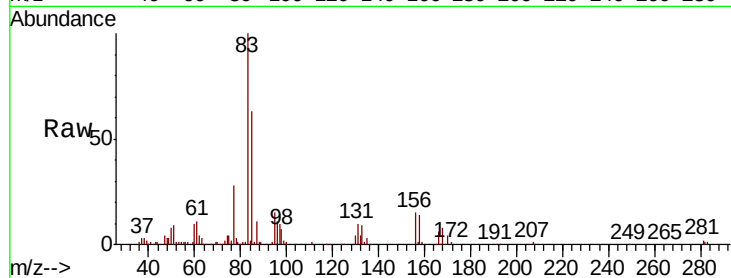
83 100

131 9.8 5.0 14.9

85 64.4 32.1 96.3

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM



#76

1,2,3-Trichloropropane

Concen: 20.306 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059349.D

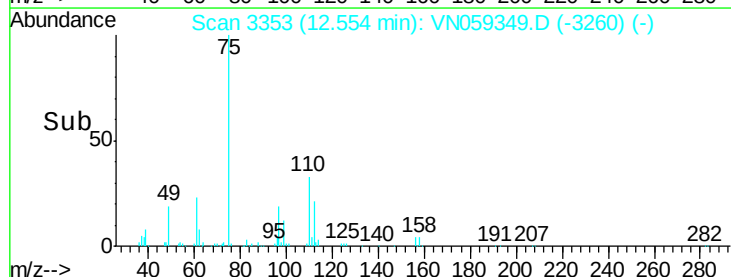
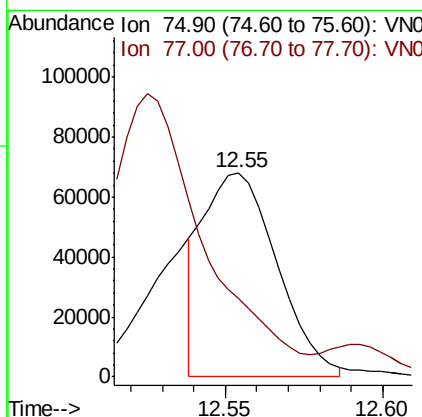
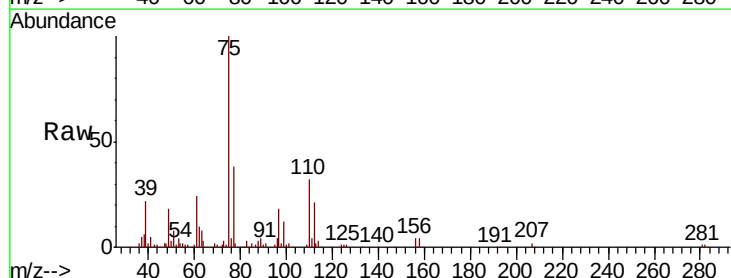
Acq: 21 Nov 2019 20:13

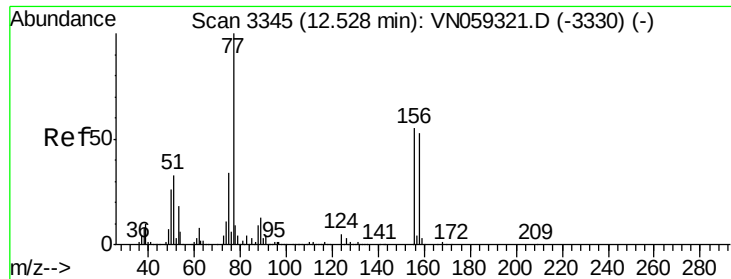
Tgt Ion: 75 Resp: 111286

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.840 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion:156 Resp: 88802

Ion Ratio Lower Upper

156 100

77 224.7 111.1 333.4

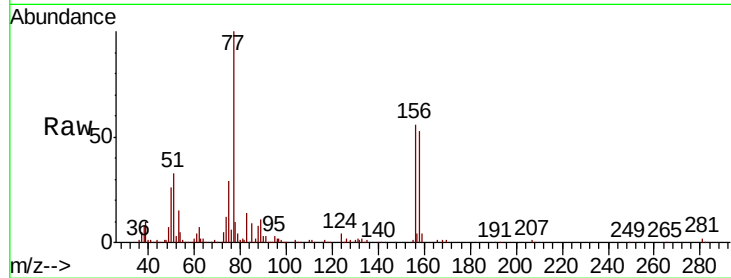
158 98.1 47.8 143.4

Manual Integrations

APPROVED

MMDadoda

11/22/2019 3:13:06 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

120000

100000

80000

60000

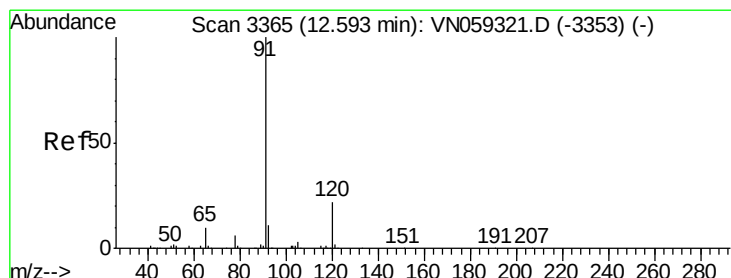
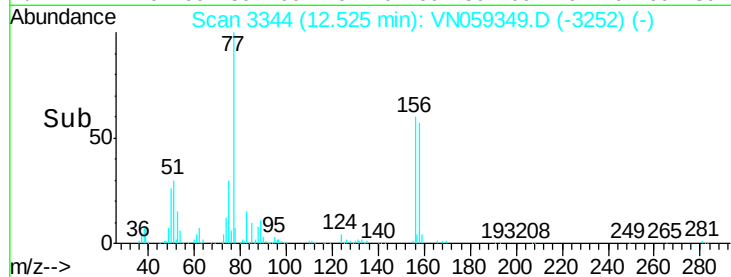
40000

20000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 19.482 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059349.D

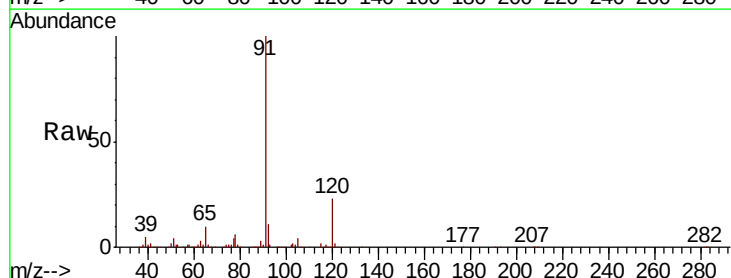
Acq: 21 Nov 2019 20:13

Tgt Ion: 91 Resp: 428840

Ion Ratio Lower Upper

91 100

120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

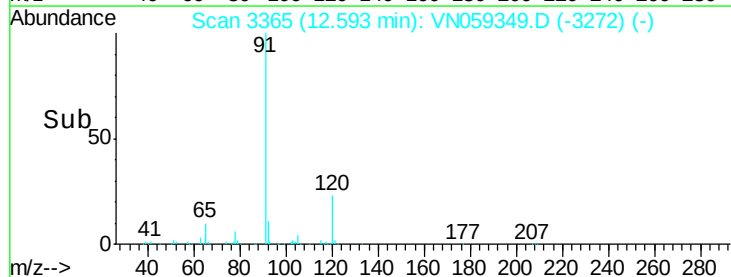
100000

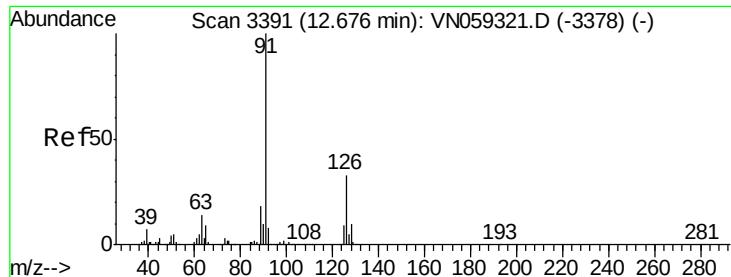
50000

0

12.55 12.60 12.65

Time-->





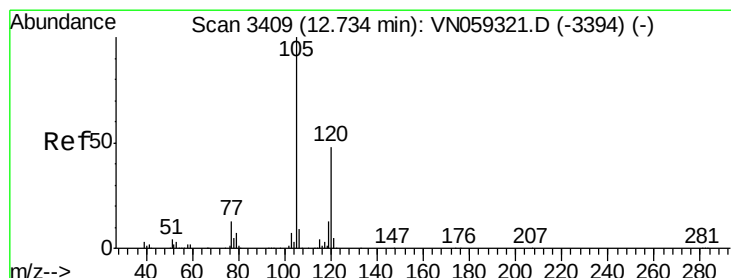
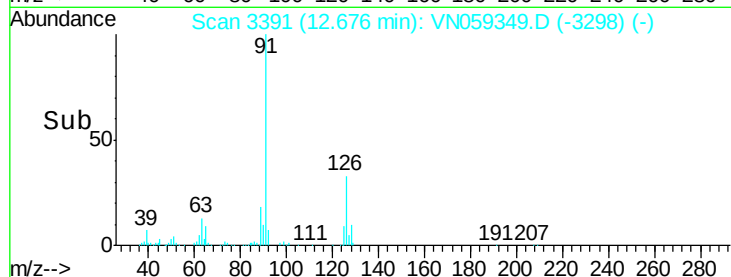
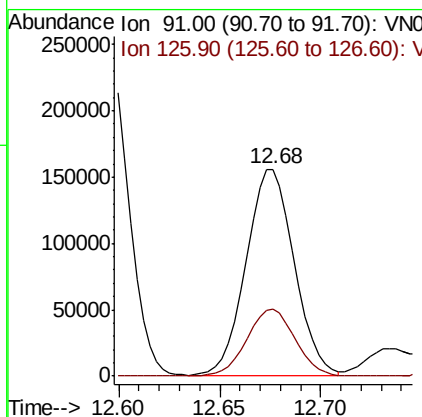
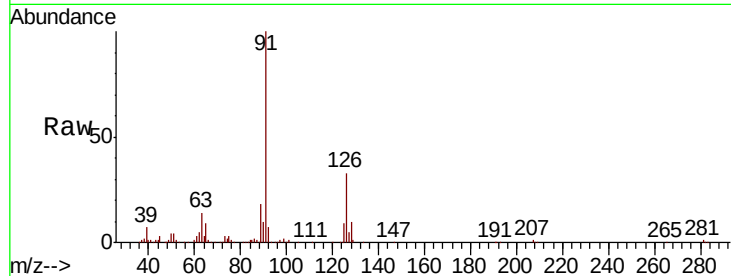
#79
 2-Chlorotoluene
 Concen: 19.147 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS04

Tot Ion: 91 Resp: 258694
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.7 50.1

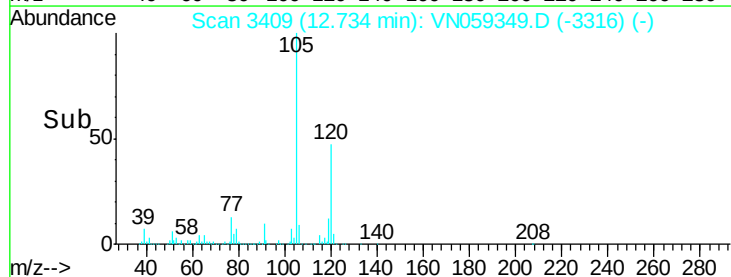
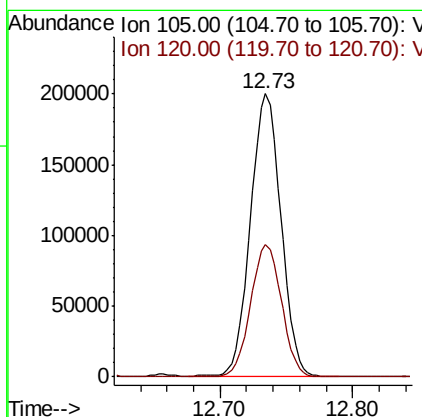
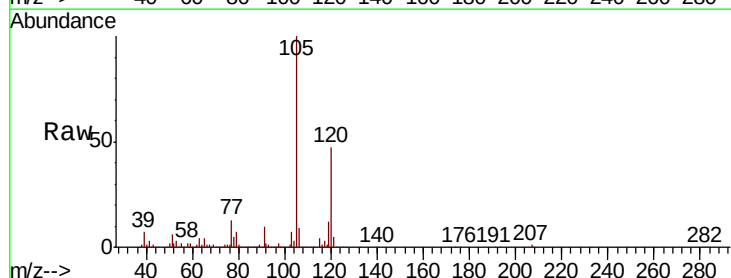
Manual Integrations
 APPROVED

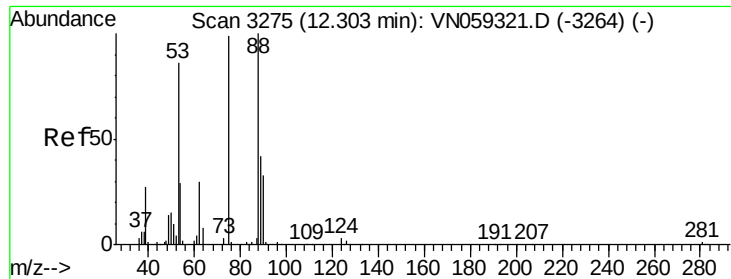
MMDadoda
 11/22/2019 3:13:06 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.622 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion: 105 Resp: 320545
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.1 72.4





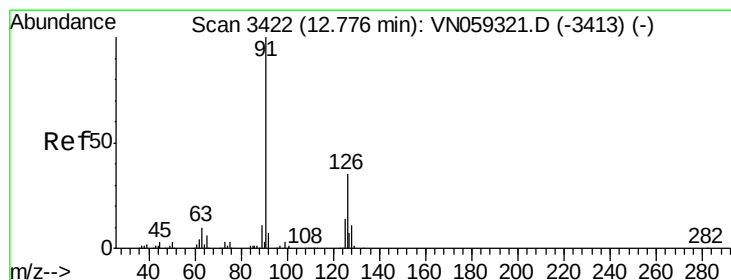
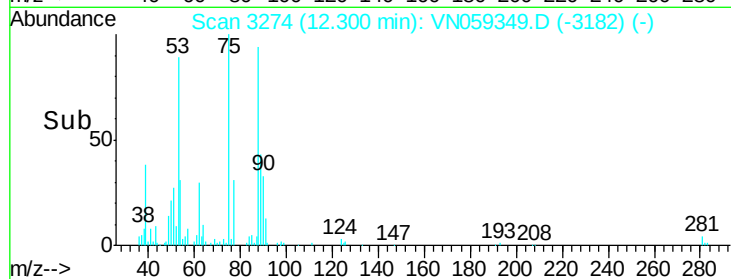
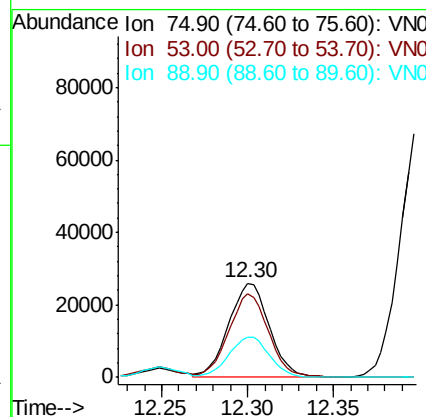
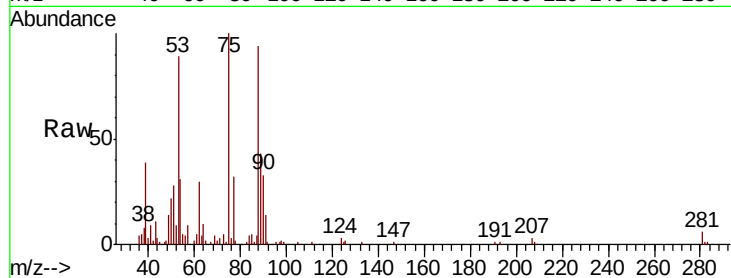
#81
trans-1,4-Dichloro-2-butene
Concen: 19.166 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.0	70.7	106.1
89	43.6	35.4	53.0

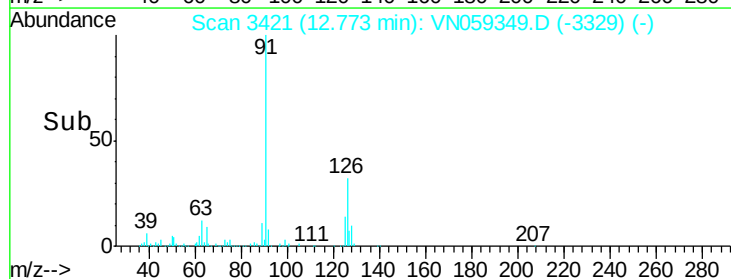
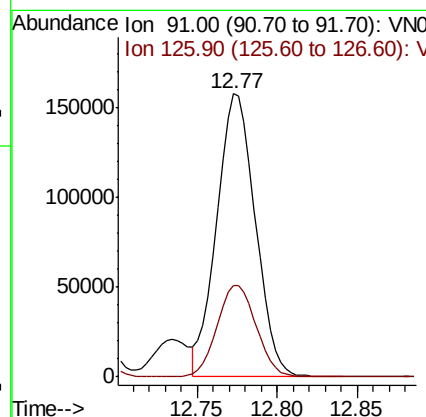
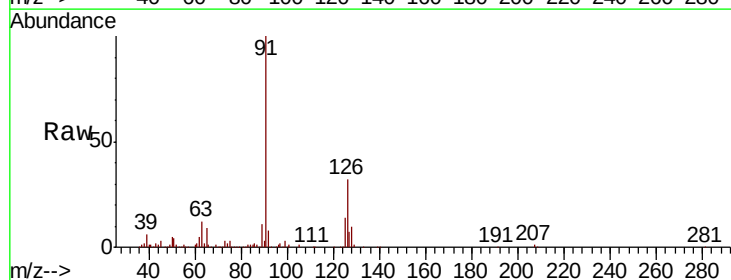
Manual Integrations
APPROVED

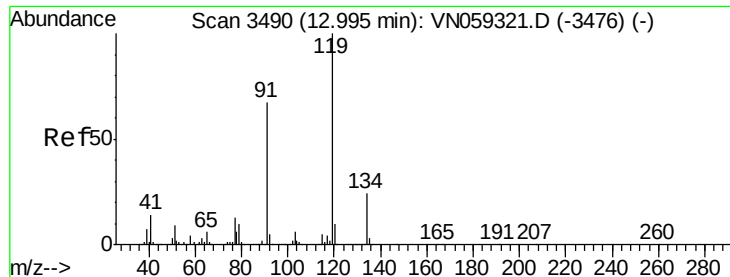
MMDadoda
11/22/2019 3:13:06 PM



#82
4-Chlorotoluene
Concen: 18.636 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.2	48.6





#83

tert-Butylbenzene

Concen: 19.596 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

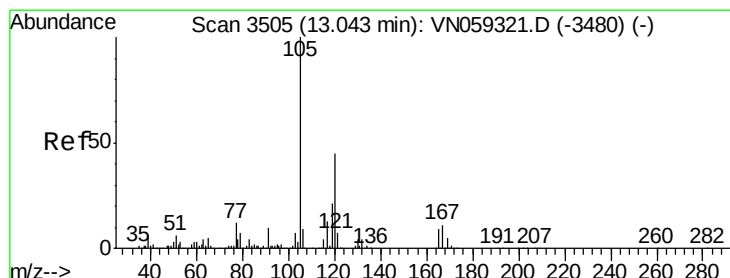
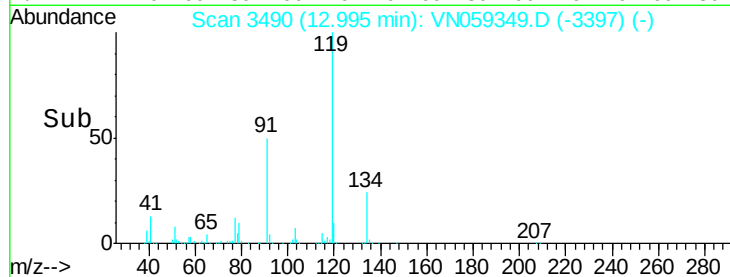
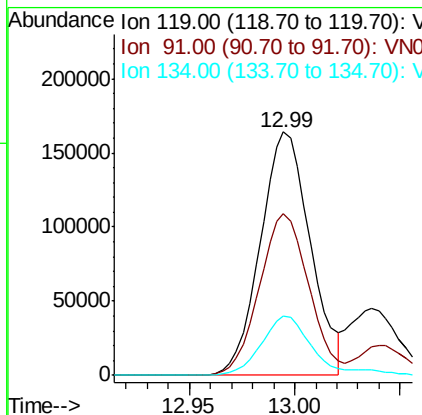
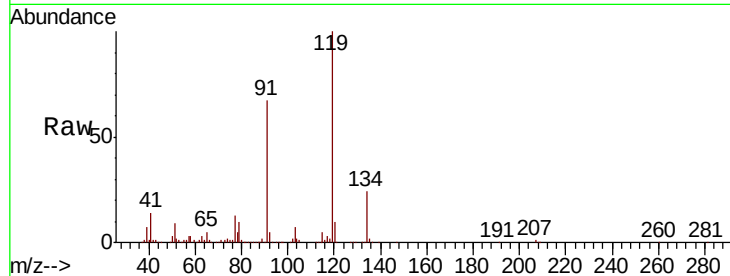
ClientSampleId :

VN1121MBS04

Tot Ion:	119	Resp:	270366
Ion Ratio	Lower	Upper	
119	100		
91	65.9	32.8	98.4
134	23.7	13.0	38.9

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.047 ug/l

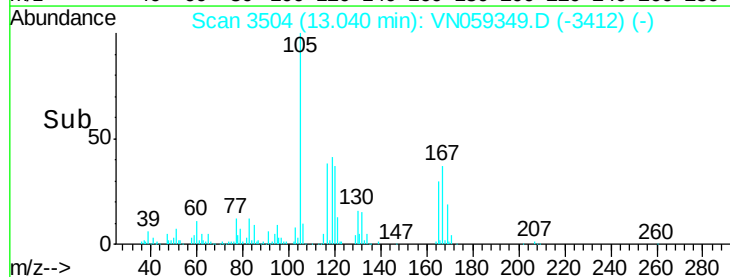
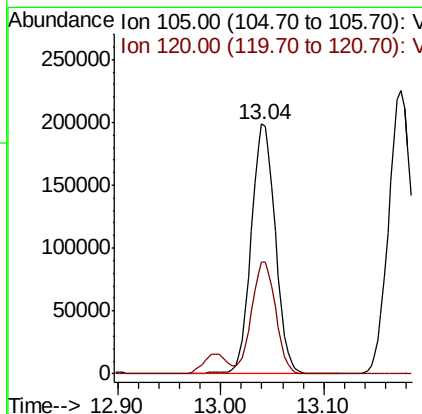
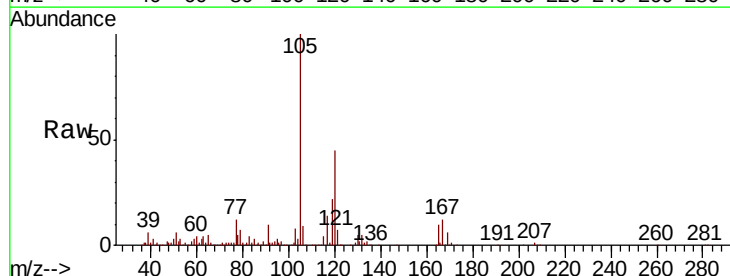
RT: 13.04 min Scan# 3504

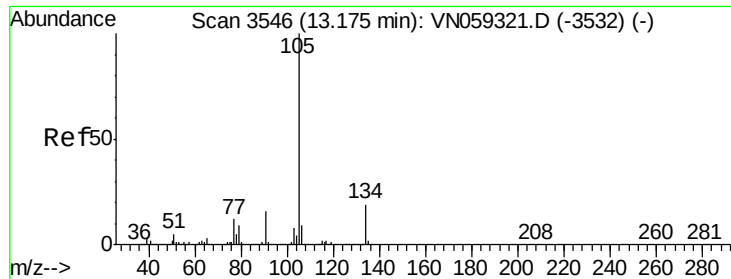
Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion:	105	Resp:	320787
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.6	67.8





#85

sec-Butylbenzene

Concen: 19.288 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS04

Tot Ion:105 Resp: 357667

Ion Ratio Lower Upper

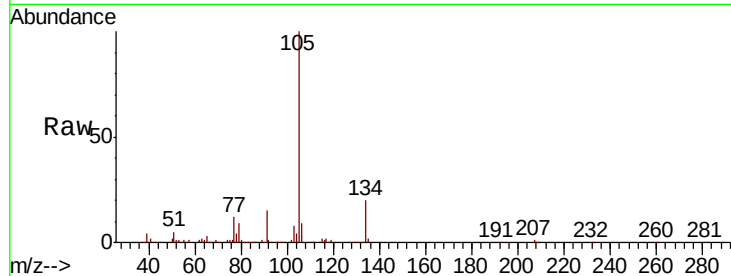
105 100

134 19.6 9.8 29.3

Manual Integrations
APPROVED

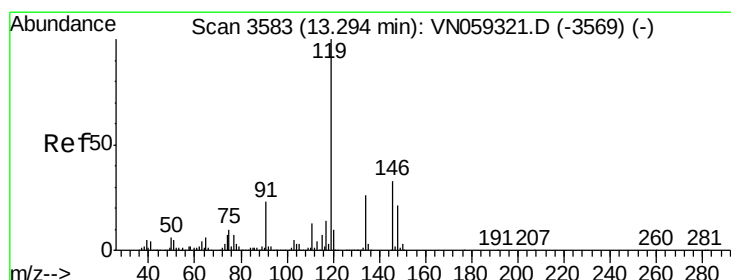
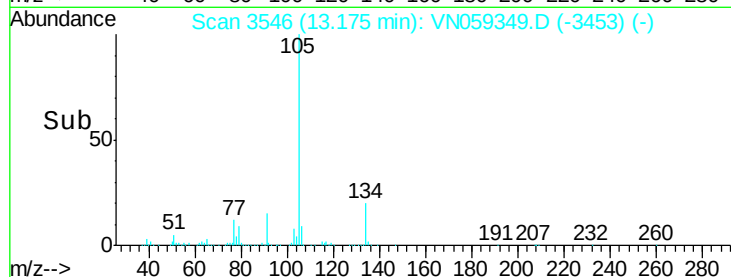
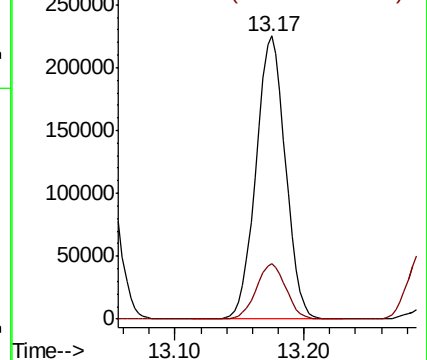
MMDadoda

11/22/2019 3:13:06 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.424 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

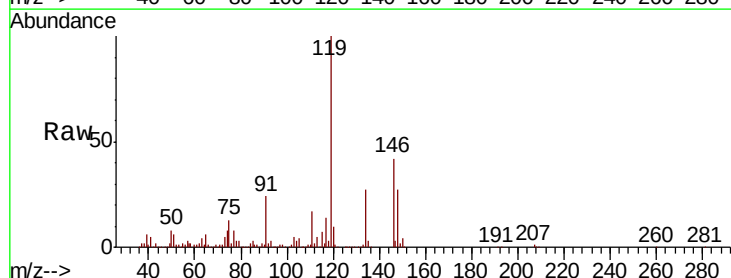
Tgt Ion:119 Resp: 320518

Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

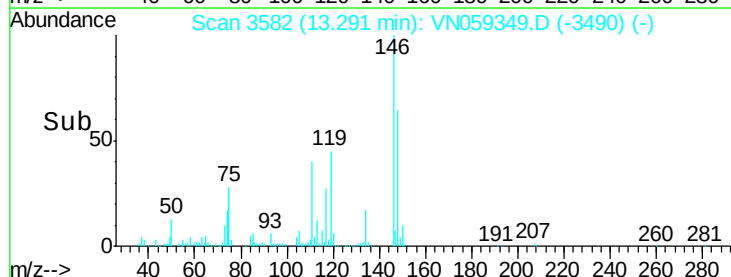
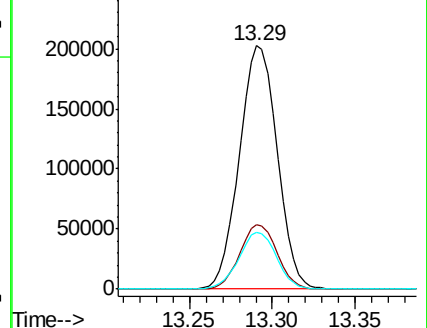
91 23.2 11.6 34.7

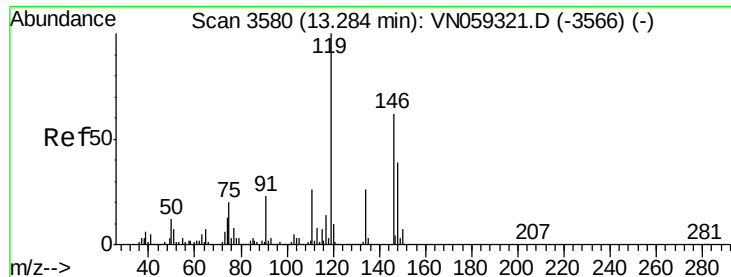


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





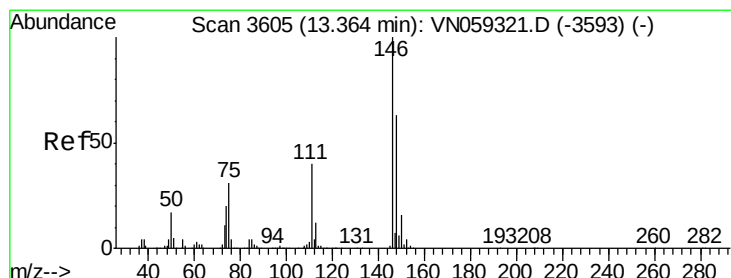
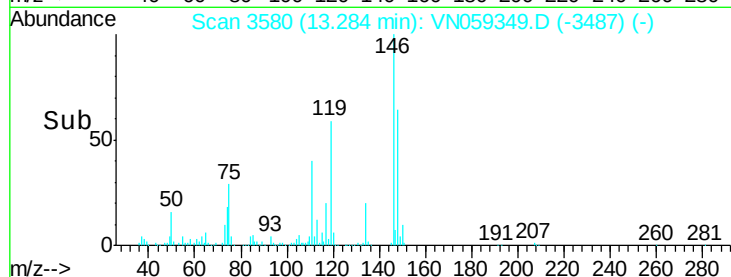
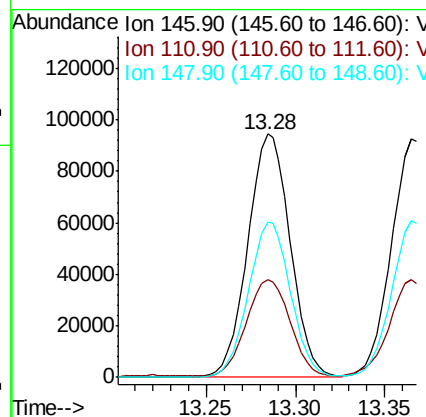
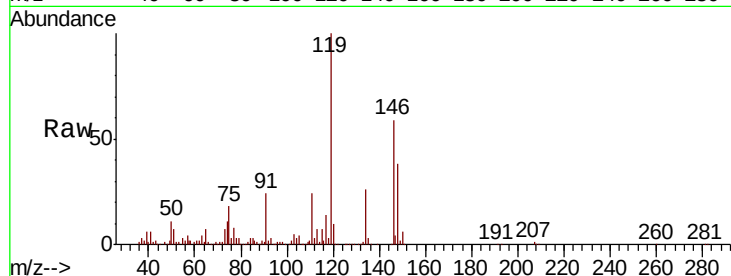
#87
 1,3-Dichlorobenzene
 Concen: 18.773 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	63.4	31.9	95.5

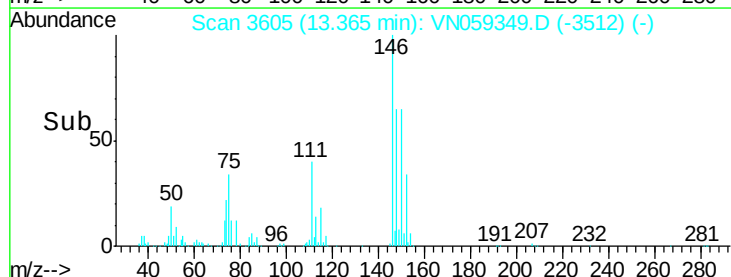
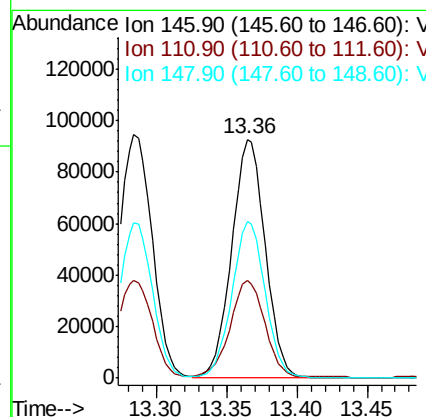
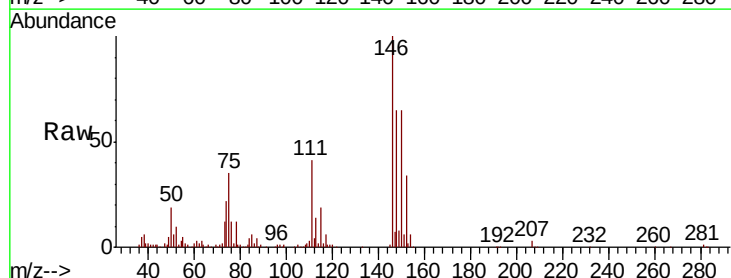
Manual Integrations
 APPROVED

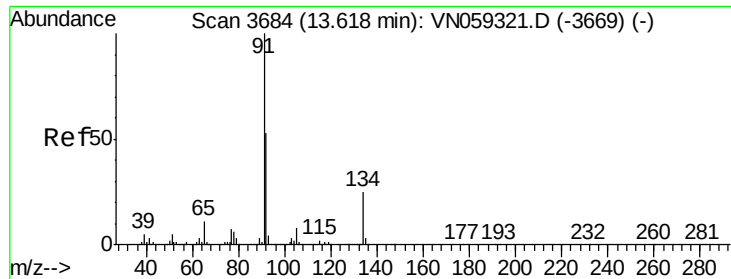
MMDadoda
 11/22/2019 3:13:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.489 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059349.D
 Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.3
148	65.7	31.7	95.1





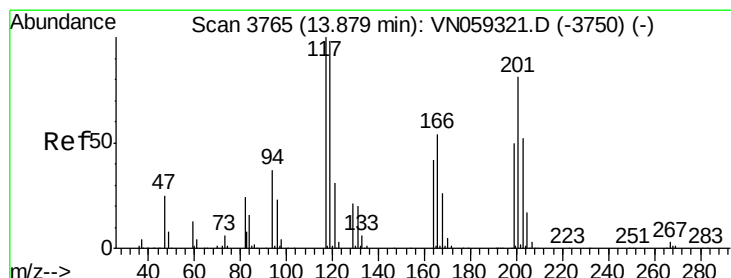
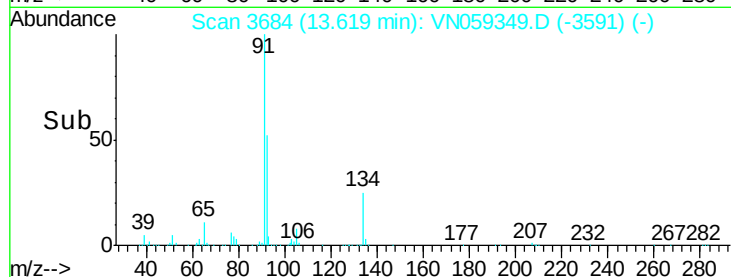
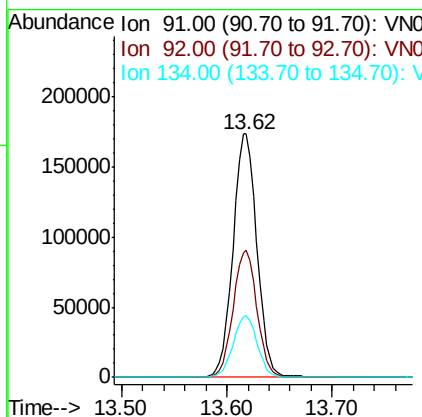
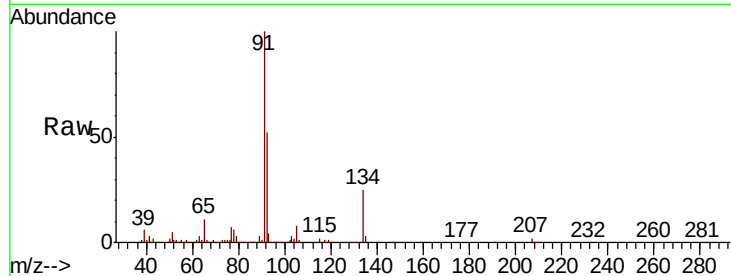
#89
n-Butylbenzene
Concen: 18.752 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	25.8	12.7	38.1

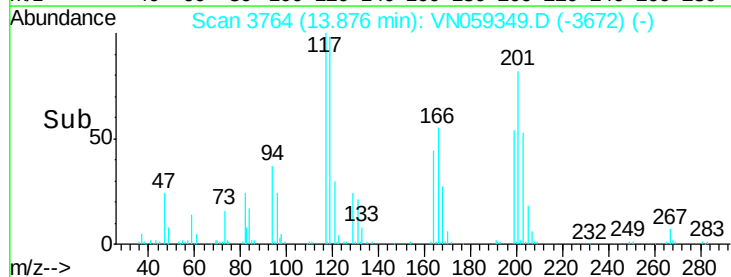
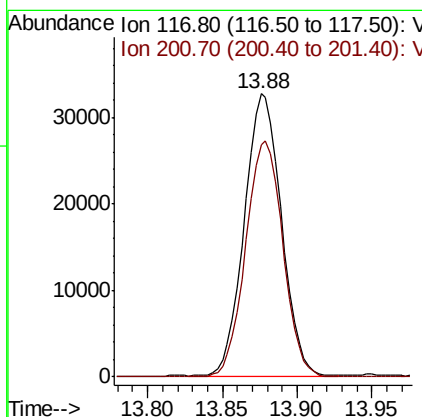
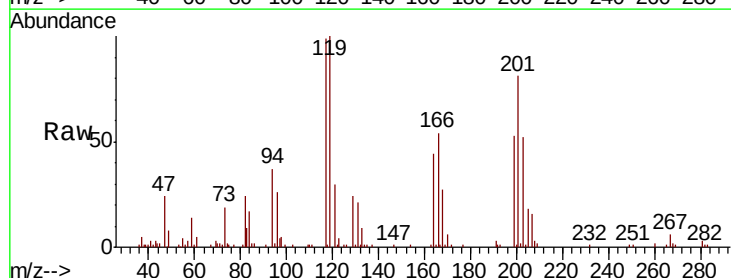
Manual Integrations
APPROVED

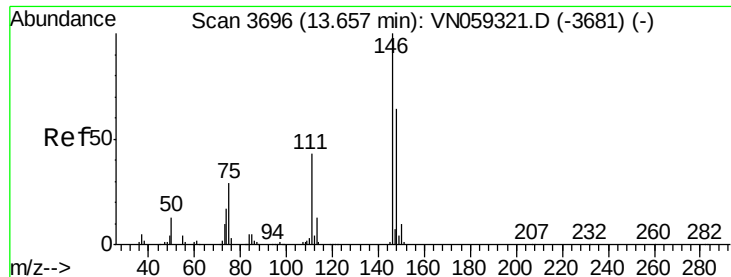
MMDadoda
11/22/2019 3:13:06 PM



#90
Hexachloroethane
Concen: 18.270 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.8	40.4	121.2





#91

1,2-Dichlorobenzene

Concen: 18.975 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

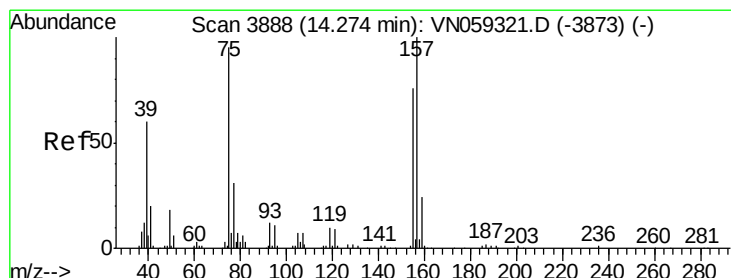
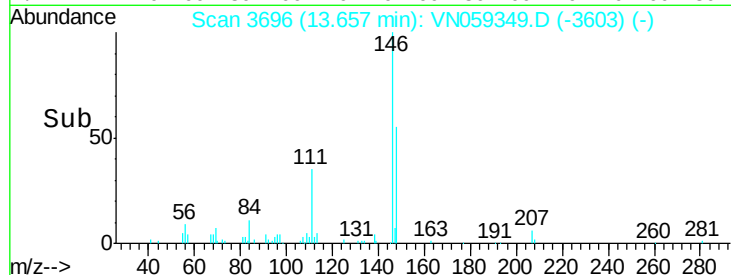
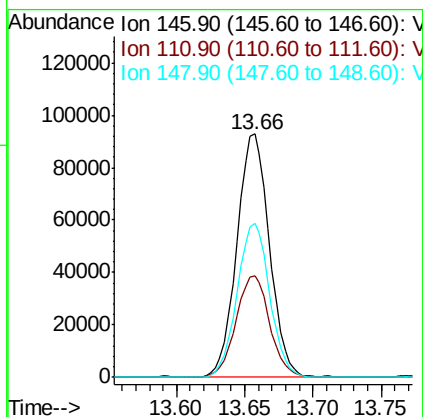
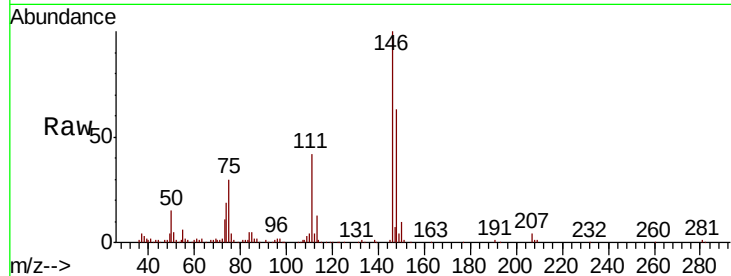
ClientSampleId :

VN1121MBS04

Tot Ion:	146	Resp:	154098
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.3	64.0
148	63.4	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.887 ug/l

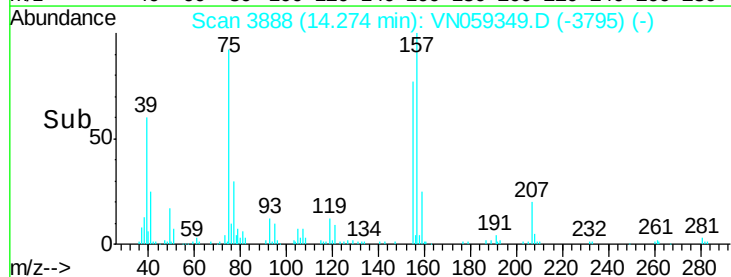
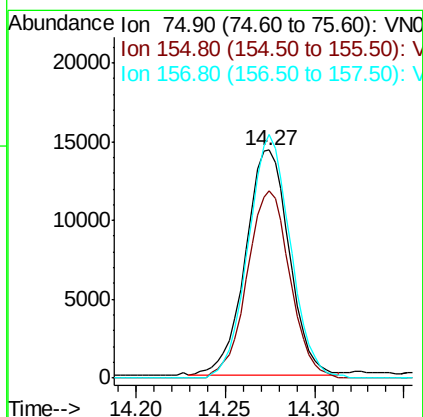
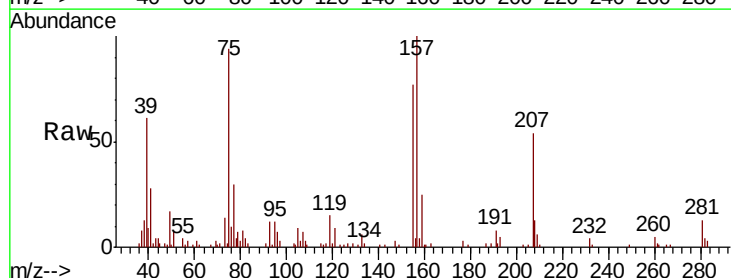
RT: 14.27 min Scan# 3888

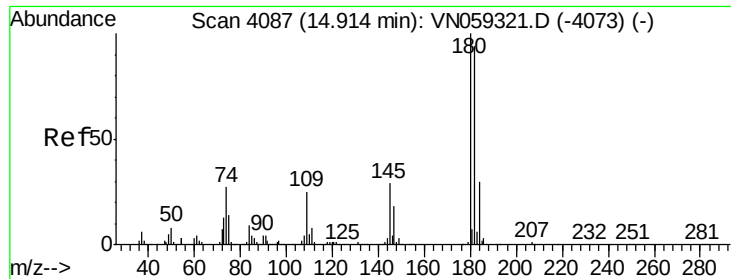
Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion:	75	Resp:	24446
Ion Ratio	Lower	Upper	
75	100		
155	81.6	40.5	121.5
157	104.4	52.7	158.1





#93

1,2,4-Trichlorobenzene

Concen: 18.843 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Instrument :

MSVOA_N

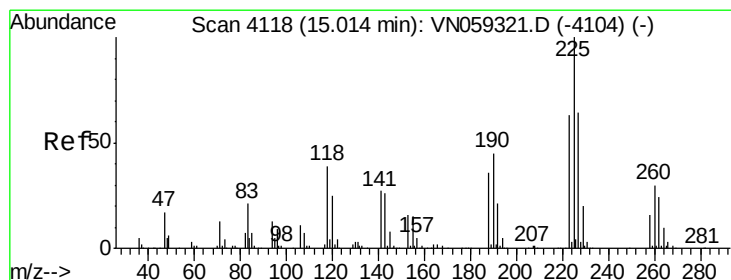
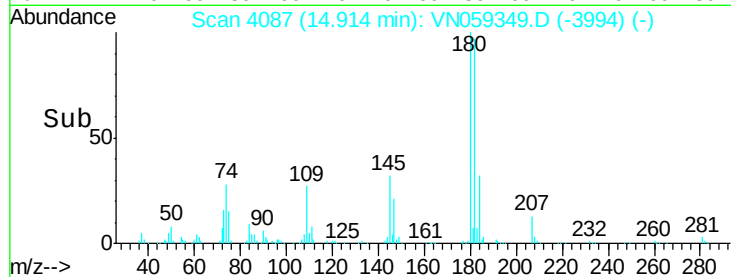
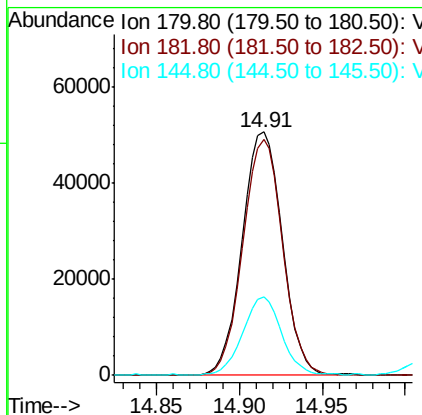
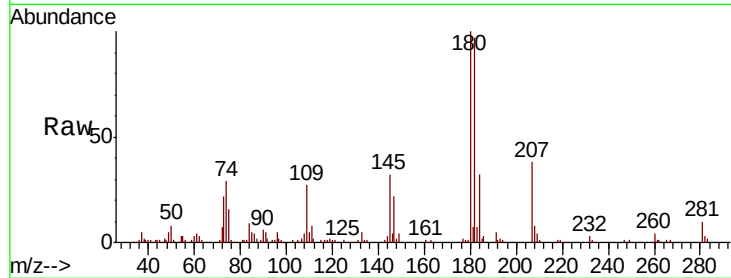
ClientSampleId :

VN1121MBS04

Tot Ion:	180	Resp:	85351
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.2	141.6
145	31.4	14.9	44.5

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM



#94

Hexachlorobutadiene

Concen: 18.286 ug/l

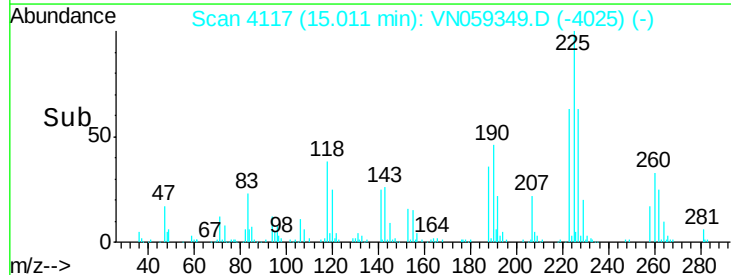
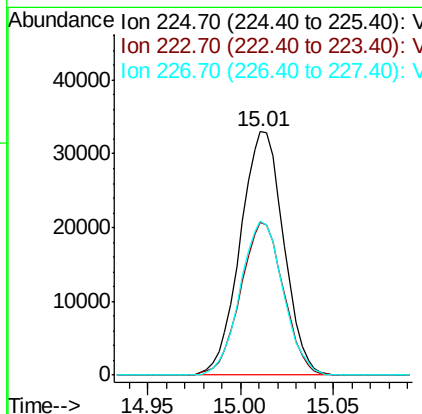
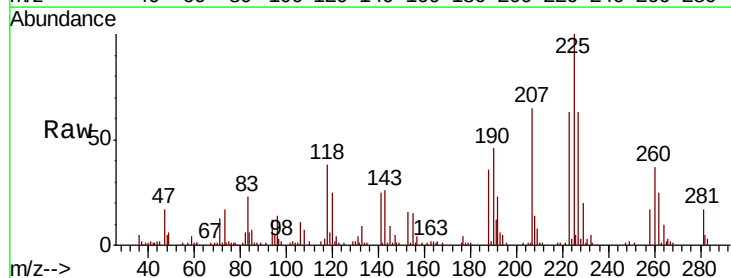
RT: 15.01 min Scan# 4117

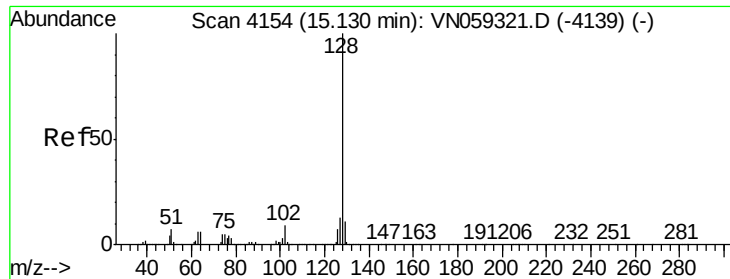
Delta R.T. -0.00 min

Lab File: VN059349.D

Acq: 21 Nov 2019 20:13

Tgt Ion:	225	Resp:	53503
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.6	94.8
227	62.4	32.6	97.7





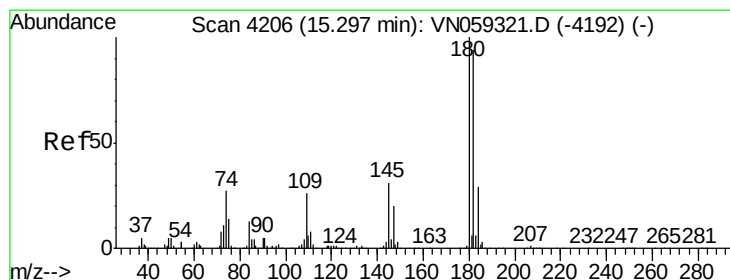
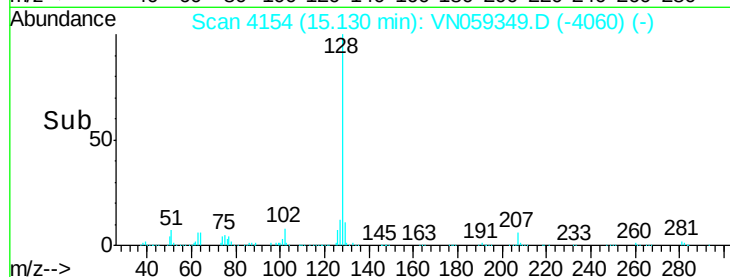
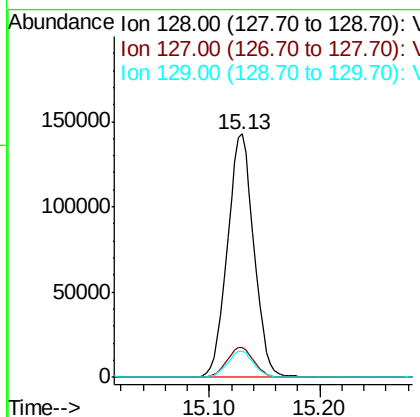
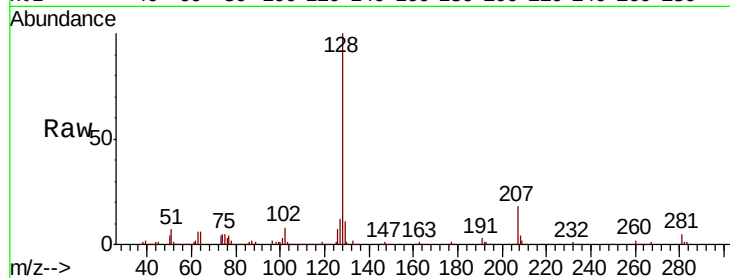
#95
Naphthalene
Concen: 19.040 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS04

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:13:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.950 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059349.D
Acq: 21 Nov 2019 20:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.1	141.4
145	31.4	15.6	46.8

