

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082820\
 Data File : VW016399.D
 Acq On : 28 Aug 2020 13:44
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:59:48 AM

Quant Time: Aug 28 14:36:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 14:25:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	295913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132579	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	95525	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
35) Dibromofluoromethane	7.88	113	92707	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.32	98	353942	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.62	95	131064	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	54621	42.491	ug/l	100
3) Chloromethane	2.21	50	47045	35.302	ug/l	100
4) Vinyl Chloride	2.36	62	71199	38.045	ug/l	100
5) Bromomethane	2.78	94	50315	42.493	ug/l	100
6) Chloroethane	2.92	64	42866	40.309	ug/l	100
7) Trichlorofluoromethane	3.26	101	87513	54.249	ug/l	100
8) Diethyl Ether	3.68	74	44963	46.218	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	87259	43.073	ug/l	100
10) Methyl Iodide	4.28	142	136295	46.139	ug/l	100
11) Tert butyl alcohol	5.21	59	29088	286.435	ug/l	100
12) 1,1-Dichloroethene	4.04	96	89130	43.266	ug/l	100
13) Acrolein	3.90	56	21489	160.753	ug/l	100
14) Allyl chloride	4.67	41	113332	41.538	ug/l	100
15) Acrylonitrile	5.37	53	87267	240.202	ug/l	100
16) Acetone	4.14	43	76277	223.944	ug/l	100
17) Carbon Disulfide	4.38	76	251203	41.805	ug/l	100
18) Methyl Acetate	4.67	43	36611	44.970	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	141612	54.602	ug/l	100
20) Methylene Chloride	4.92	84	100301	38.073	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	100424	44.715	ug/l	100
22) Diisopropyl ether	6.31	45	225948	43.860	ug/l	100
23) Vinyl Acetate	6.26	43	710184	239.932	ug/l	100
24) 1,1-Dichloroethane	6.22	63	157047	43.301	ug/l	100
25) 2-Butanone	7.18	43	106151	229.351	ug/l	100
26) 2,2-Dichloropropane	7.16	77	115081	47.970	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	108123	46.329	ug/l	100
28) Bromochloromethane	7.51	49	60880	44.834	ug/l	100
29) Tetrahydrofuran	7.54	42	66343	238.415	ug/l	100
30) Chloroform	7.68	83	180296	47.120	ug/l	100
31) Cyclohexane	7.96	56	136477	41.008	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	159632	49.295	ug/l	100
36) 1,1-Dichloropropene	8.09	75	139651	47.899	ug/l	100
37) Ethyl Acetate	7.26	43	49685	50.312	ug/l	100
38) Carbon Tetrachloride	8.07	117	152617	51.570	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082820\
 Data File : VW016399.D
 Acq On : 28 Aug 2020 13:44
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:59:48 AM

Quant Time: Aug 28 14:36:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 14:25:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171382	48.916	ug/l	100
40) Benzene	8.32	78	375656	46.085	ug/l	100
41) Methacrylonitrile	7.48	41	28068	49.974	ug/l	100
42) 1,2-Dichloroethane	8.40	62	115378	52.567	ug/l	100
43) Isopropyl Acetate	8.43	43	96836	51.706	ug/l	100
44) Trichloroethene	9.10	130	112099	48.013	ug/l	100
45) 1,2-Dichloropropane	9.37	63	86602	45.349	ug/l	100
46) Dibromomethane	9.46	93	52240	51.222	ug/l	100
47) Bromodichloromethane	9.65	83	135119	51.017	ug/l	100
48) Methyl methacrylate	9.44	41	45480	52.380	ug/l	100
49) 1,4-Dioxane	9.47	88	14486	1133.566	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	240283	255.454	ug/l	100
52) Toluene	10.39	92	251954	48.155	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	134482	54.670	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	153669	50.854	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	74086	50.542	ug/l	100
56) Ethyl methacrylate	10.65	69	91147	54.976	ug/l	100
57) 1,3-Dichloropropane	10.93	76	124491	50.224	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	199782	264.182	ug/l	100
59) 2-Hexanone	10.97	43	167464	261.220	ug/l	100
60) Dibromochloromethane	11.13	129	96335	54.584	ug/l	100
61) 1,2-Dibromoethane	11.24	107	73764	52.249	ug/l	100
64) Tetrachloroethene	10.87	164	93665	52.191	ug/l	100
65) Chlorobenzene	11.66	112	274103	49.325	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	103613	52.922	ug/l	100
67) Ethyl Benzene	11.73	91	501796	50.473	ug/l	100
68) m/p-Xylenes	11.84	106	379532	99.381	ug/l	100
69) o-Xylene	12.17	106	174140	51.167	ug/l	100
70) Styrene	12.18	104	305040	51.767	ug/l	100
71) Bromoform	12.35	173	53502	60.032	ug/l #	100
73) Isopropylbenzene	12.46	105	501849	49.634	ug/l	100
74) N-amyl acetate	12.27	43	89587	50.161	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	81741	48.798	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	59909m	49.439	ug/l	
77) Bromobenzene	12.75	156	113790	50.398	ug/l	100
78) n-propylbenzene	12.80	91	582244	48.425	ug/l	100
79) 2-Chlorotoluene	12.90	91	337729	48.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	441244	50.611	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	26652	52.655	ug/l	100
82) 4-Chlorotoluene	12.99	91	349218	48.283	ug/l	100
83) tert-Butylbenzene	13.21	119	365433	51.249	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	430094	50.114	ug/l	100
85) sec-Butylbenzene	13.38	105	503706	48.892	ug/l	100
86) p-Isopropyltoluene	13.50	119	480235	51.159	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	208447	46.919	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	215490	48.723	ug/l	100
89) n-Butylbenzene	13.82	91	433218	50.133	ug/l	100
90) Hexachloroethane	14.10	117	86787	49.498	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	191297	48.833	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14990	56.801	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082820\
Data File : VW016399.D
Acq On : 28 Aug 2020 13:44
Operator : SY/VA
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

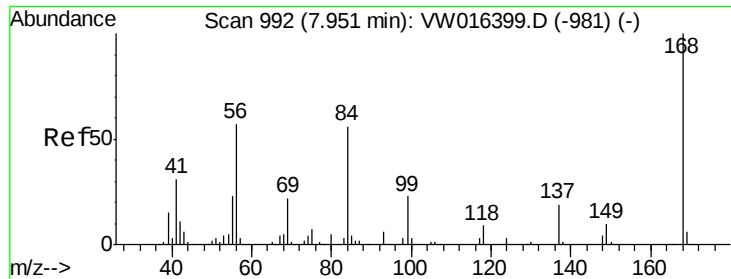
Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM

Quant Time: Aug 28 14:36:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 28 14:25:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	130299	55.038	ug/l	100
94) Hexachlorobutadiene	15.24	225	78988	55.126	ug/l	100
95) Naphthalene	15.37	128	258693	59.749	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	114676	56.494	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 190725

Ion Ratio Lower Upper

168 100

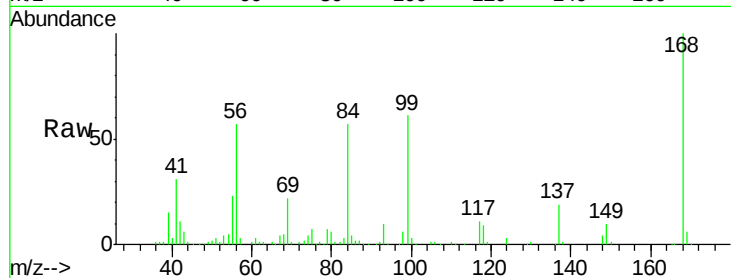
99 61.2 49.0 73.4

Manual Integrations

APPROVED

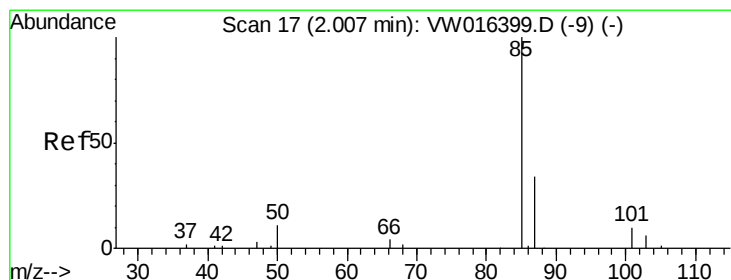
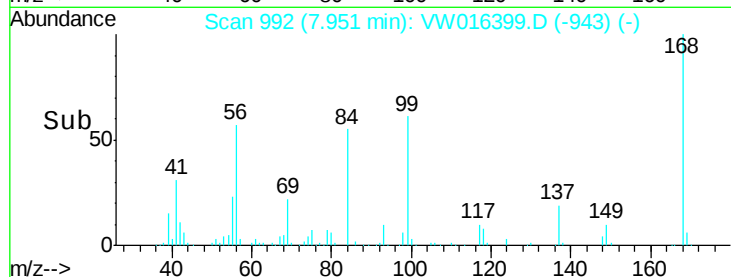
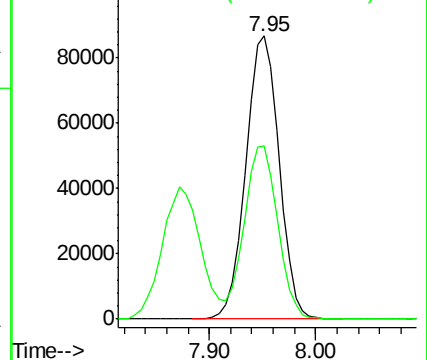
MMDadoda

8/31/2020 11:59:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 42.491 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016399.D

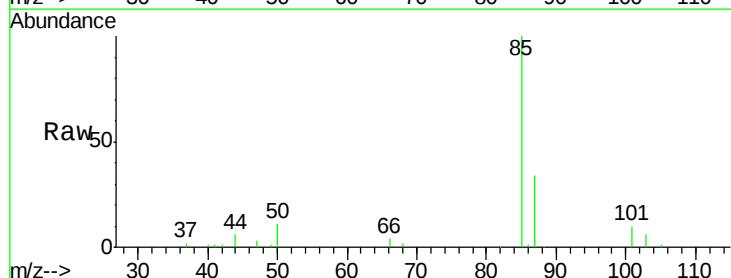
Acq: 28 Aug 2020 13:44

Tgt Ion: 85 Resp: 54621

Ion Ratio Lower Upper

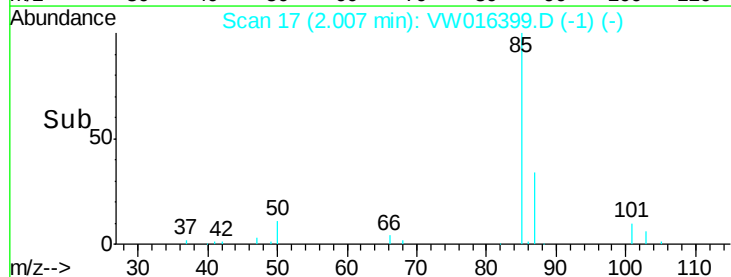
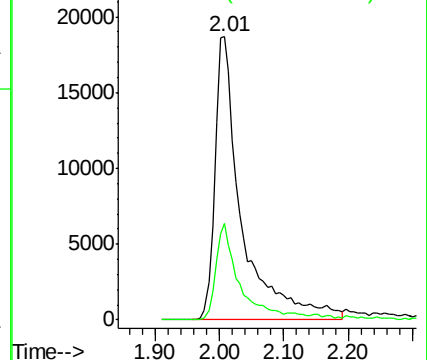
85 100

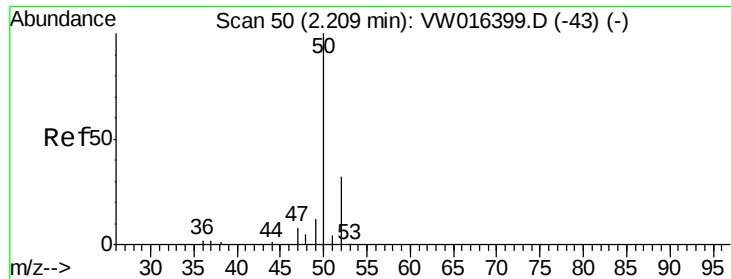
87 34.0 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 35.302 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 47045

Ion Ratio Lower Upper

50 100

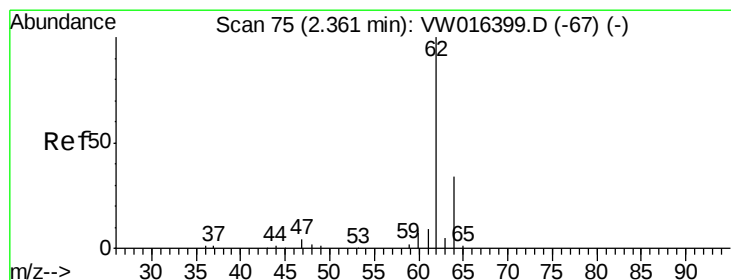
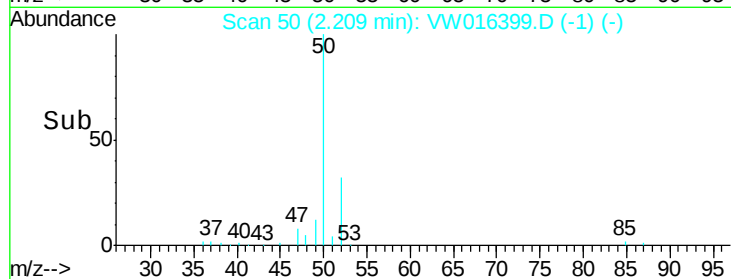
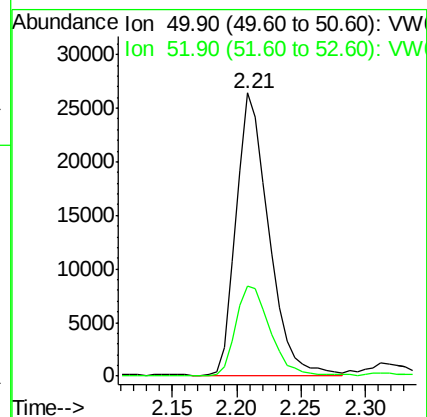
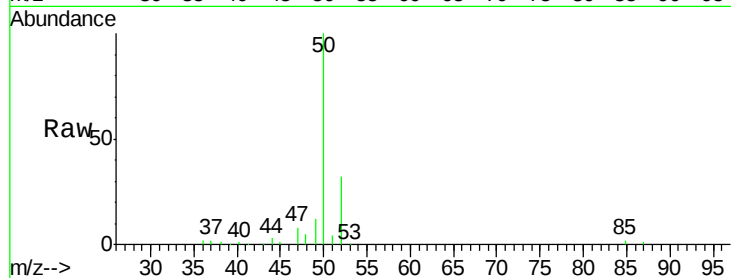
52 31.9 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

8/31/2020 11:59:48 AM



#4

Vinyl Chloride

Concen: 38.045 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW016399.D

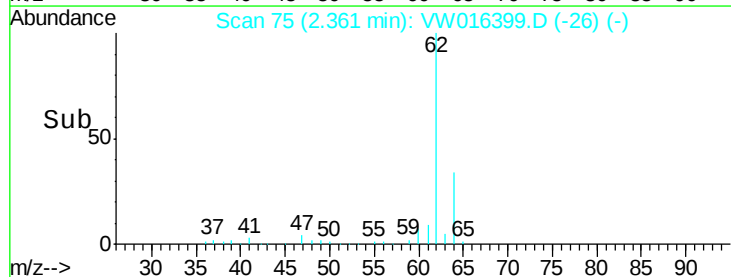
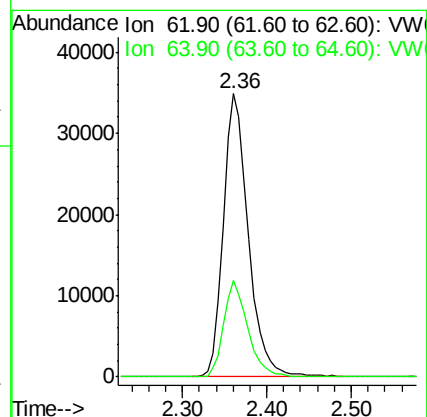
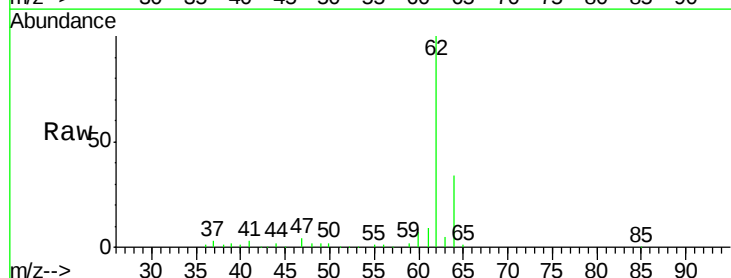
Acq: 28 Aug 2020 13:44

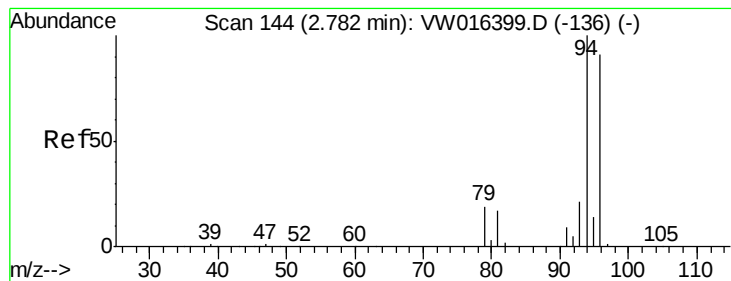
Tgt Ion: 62 Resp: 71199

Ion Ratio Lower Upper

62 100

64 34.0 27.2 40.8





#5

Bromomethane

Concen: 42.493 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 94 Resp: 50315

Ion Ratio Lower Upper

94 100

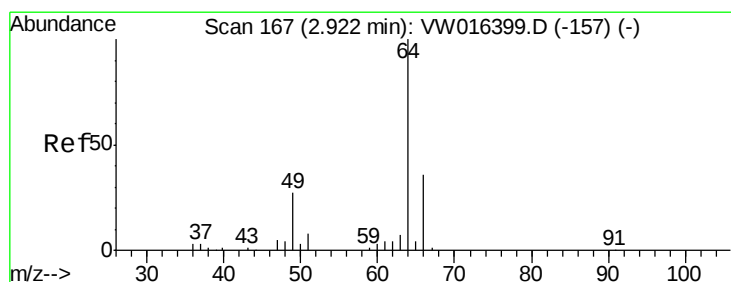
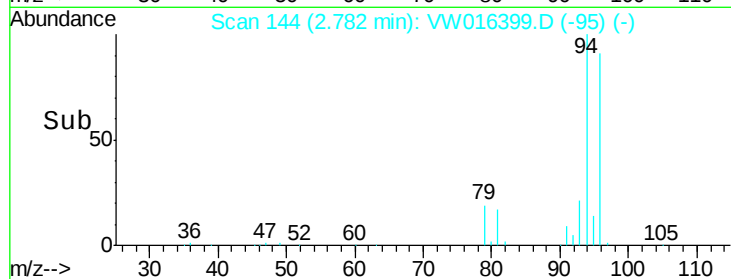
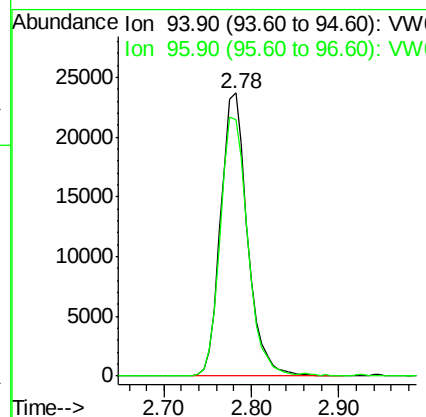
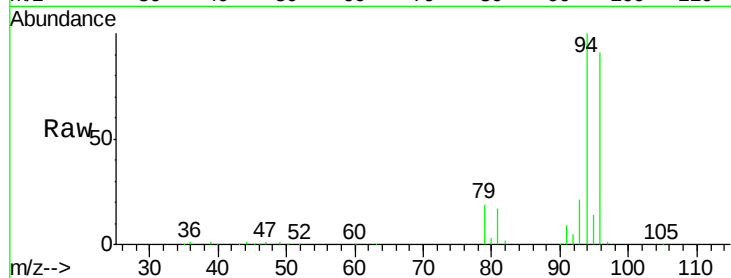
96 90.8 72.6 109.0

Manual Integrations

APPROVED

MMDadoda

8/31/2020 11:59:48 AM



#6

Chloroethane

Concen: 40.309 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW016399.D

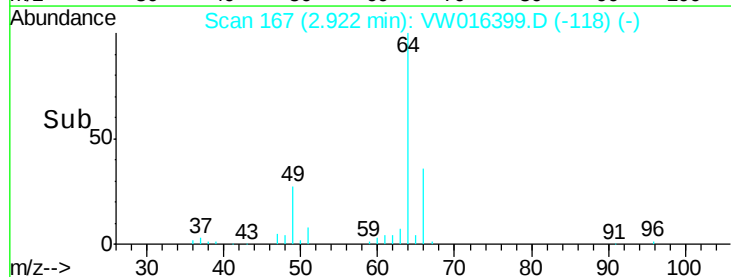
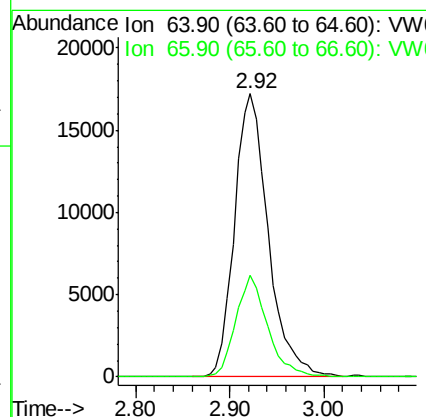
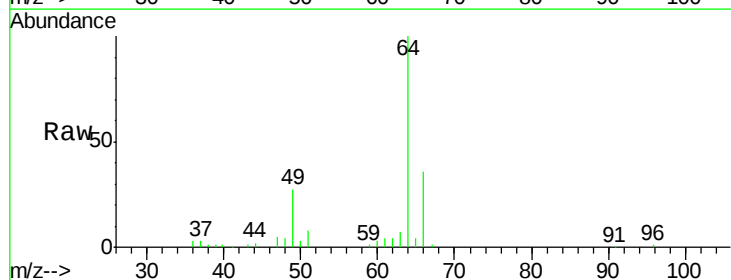
Acq: 28 Aug 2020 13:44

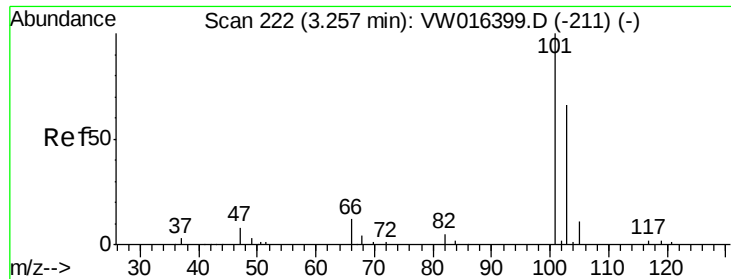
Tgt Ion: 64 Resp: 42866

Ion Ratio Lower Upper

64 100

66 35.9 28.7 43.1





#7

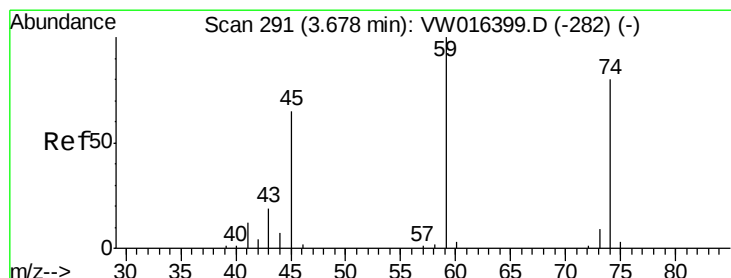
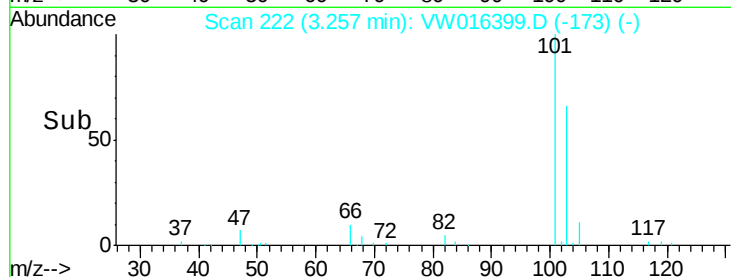
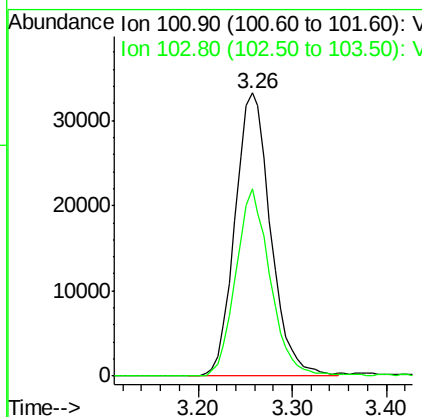
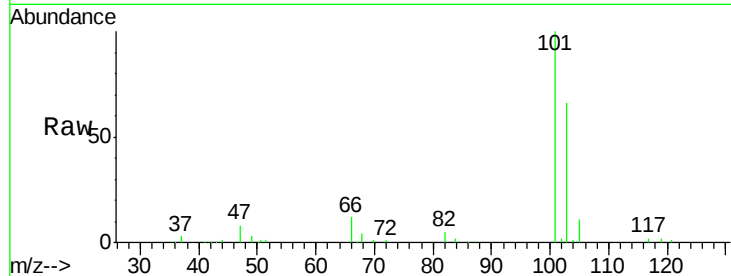
Trichlorofluoromethane
Concen: 54.249 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		87513		
103	66.2	53.0	79.4		

Manual Integrations
APPROVED

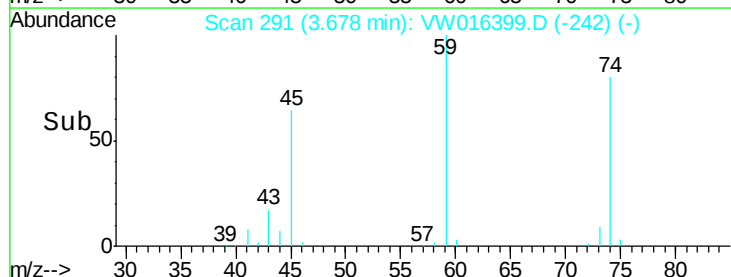
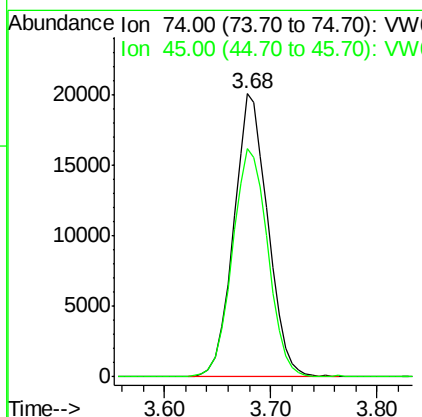
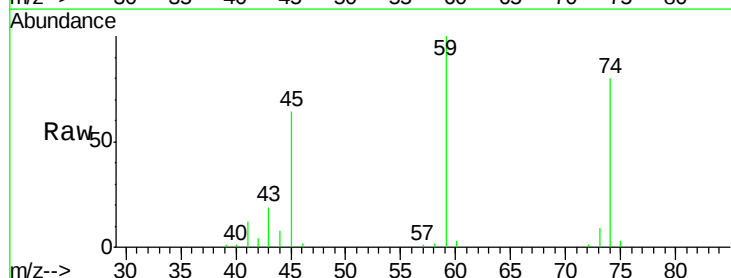
MMDadoda
8/31/2020 11:59:48 AM

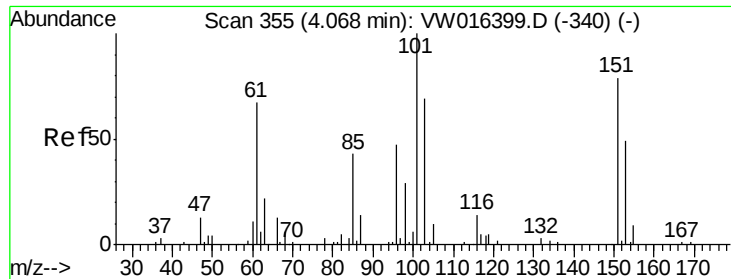


#8

Diethyl Ether
Concen: 46.218 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		44963		
45	84.0	42.0	126.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.073 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

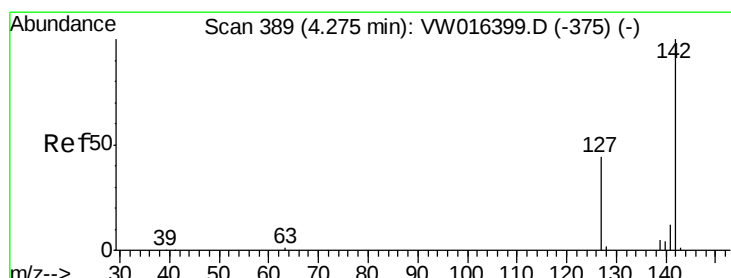
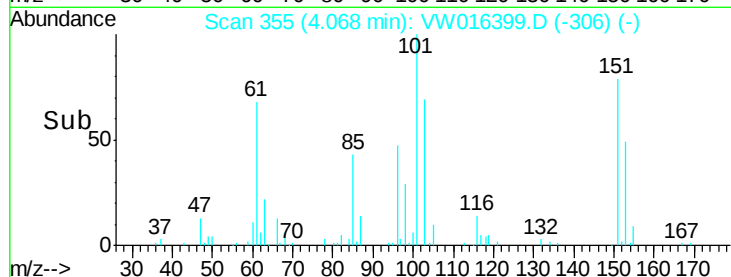
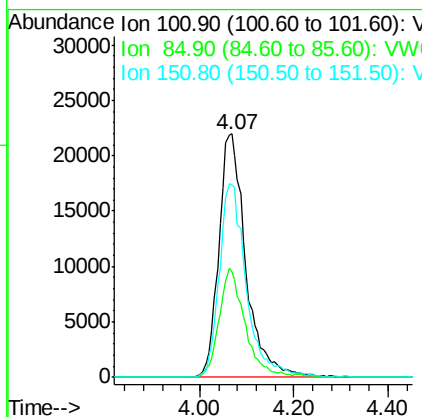
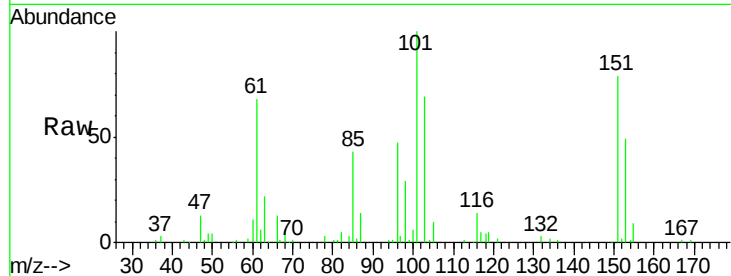
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	87259
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	79.8	63.8	95.8

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM



#10

Methyl Iodide

Concen: 46.139 ug/l

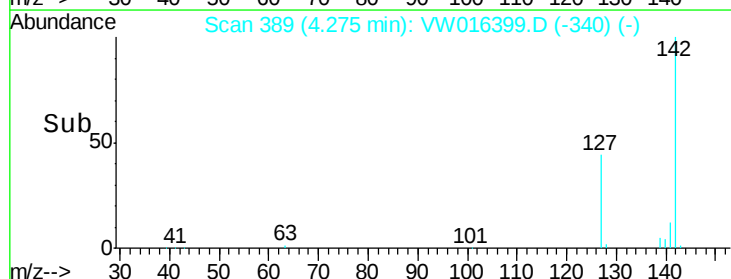
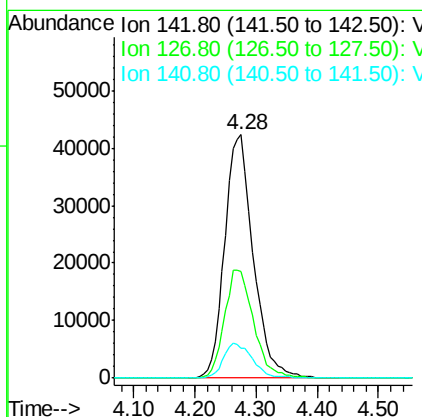
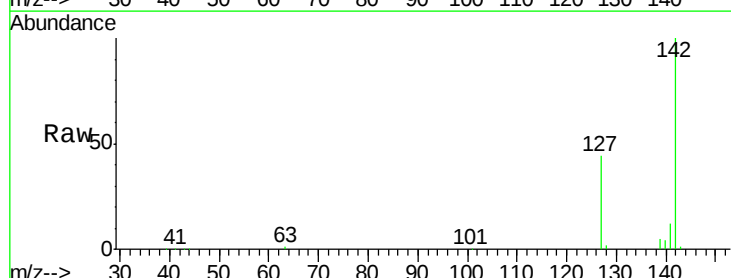
RT: 4.28 min Scan# 389

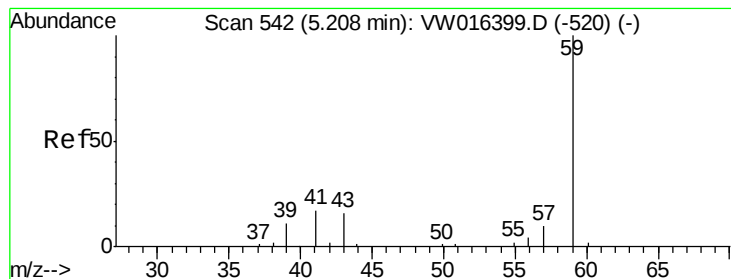
Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Tgt Ion:	142	Resp:	136295
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.2	54.4
141	14.7	11.8	17.6





#11

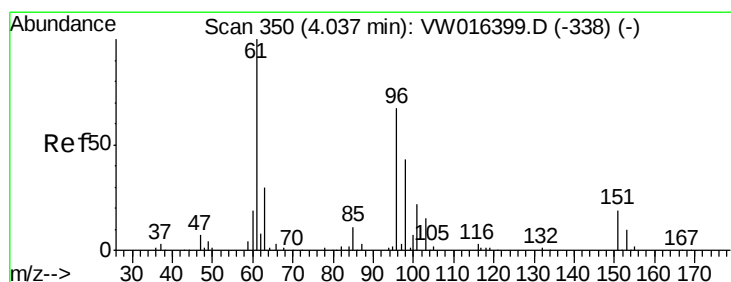
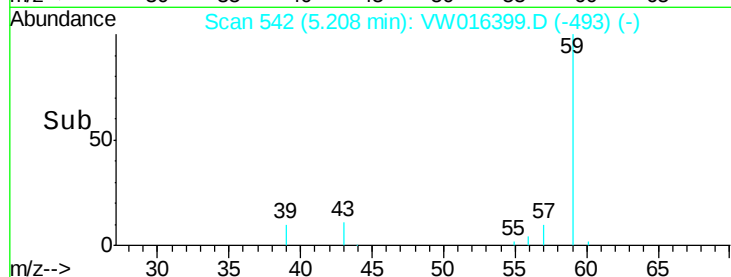
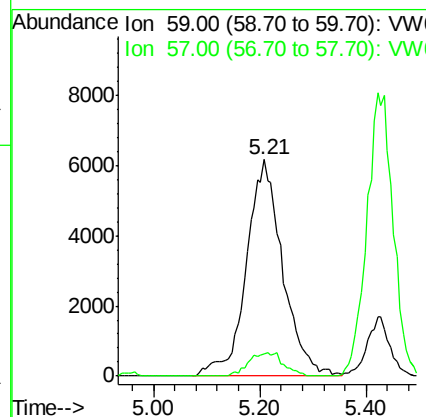
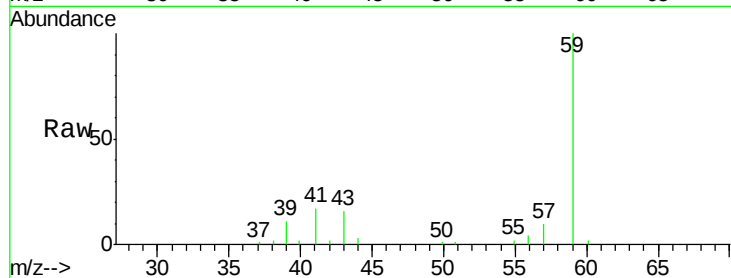
Tert butyl alcohol
 Concen: 286.435 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	59	57	Ratio	100	10.3	Resp	29088	Lower	Upper
59	100								
57		10.3						8.2	12.4

Manual Integrations
 APPROVED

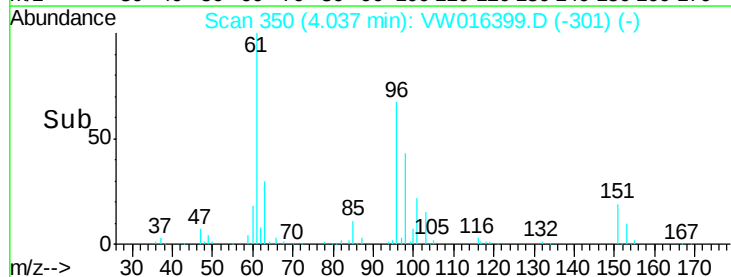
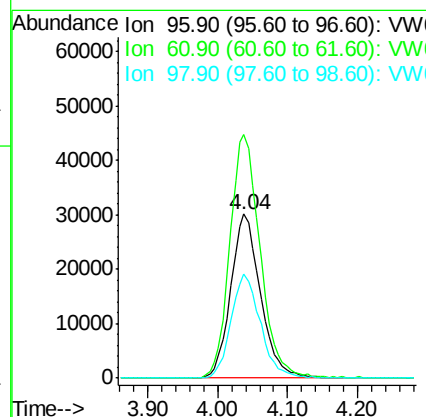
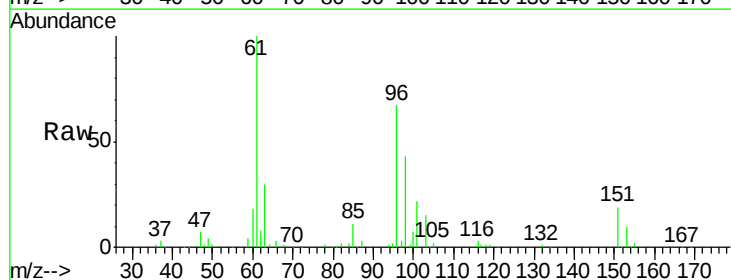
MMDadoda
 8/31/2020 11:59:48 AM

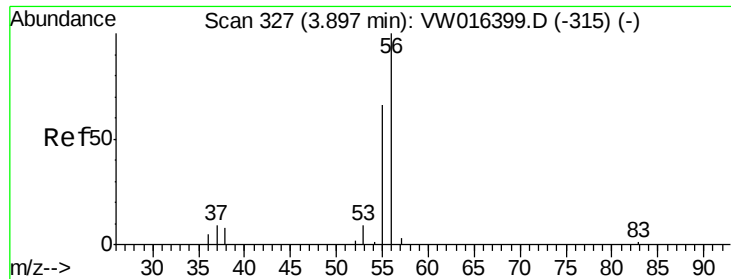


#12

1,1-Dichloroethene
 Concen: 43.266 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Tgt Ion	96	61	98	Ratio	100	148.7	63.3	Resp	89130	Lower	Upper
96	100										
61		148.7								119.0	178.4
98		63.3								50.6	76.0





#13

Acrolein

Concen: 160.753 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 21489

Ion Ratio Lower Upper

56 100

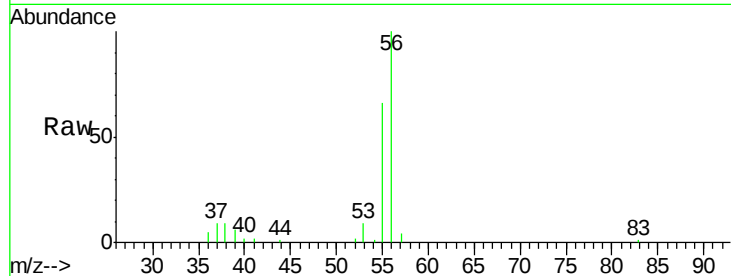
55 68.5 54.8 82.2

Manual Integrations

APPROVED

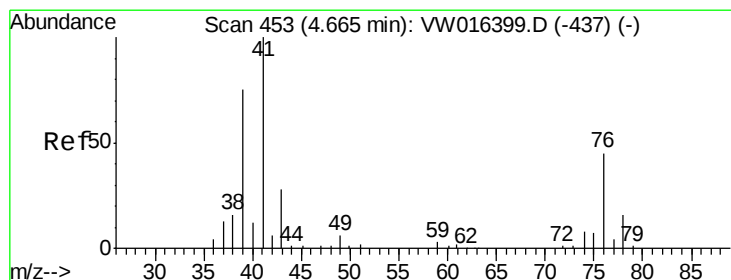
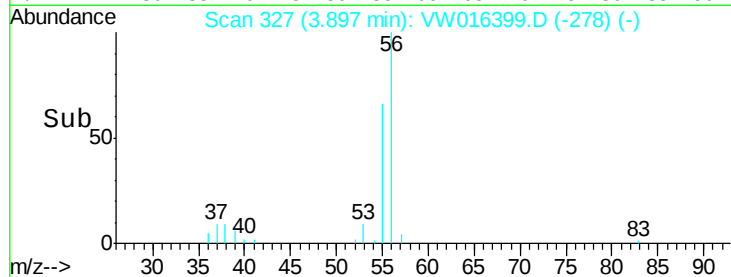
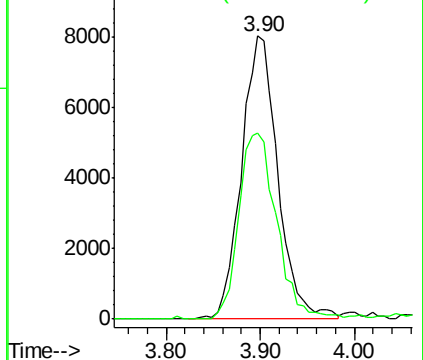
MMDadoda

8/31/2020 11:59:48 AM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 41.538 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

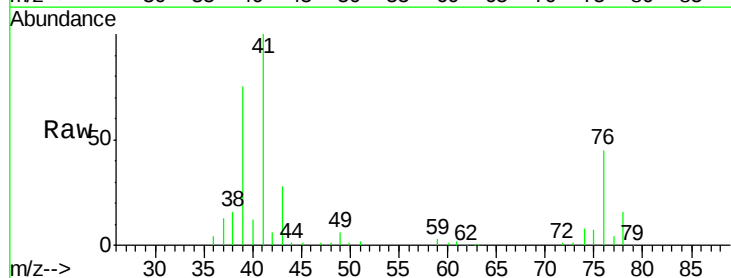
Tgt Ion: 41 Resp: 113332

Ion Ratio Lower Upper

41 100

39 75.2 60.2 90.2

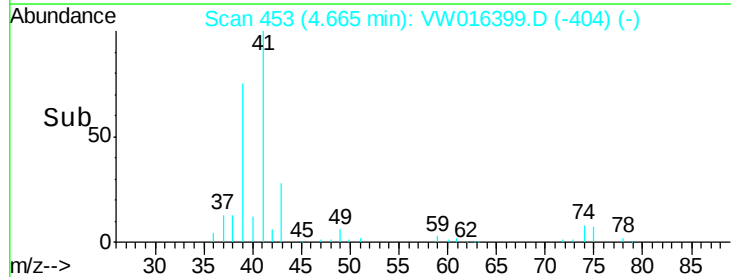
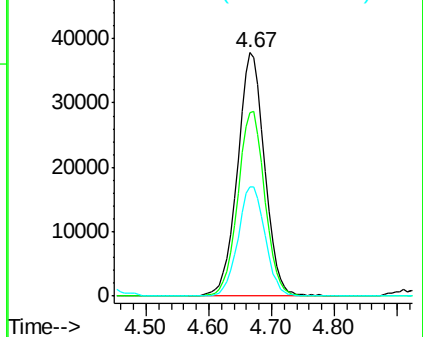
76 44.6 35.7 53.5

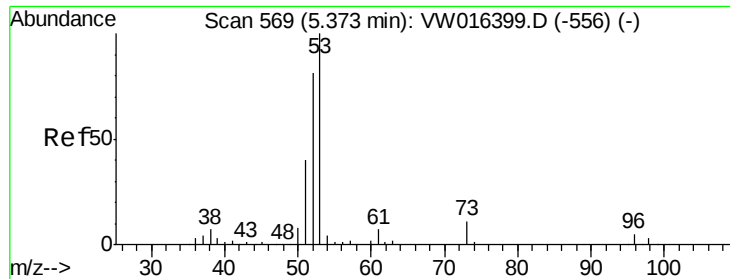


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 240.202 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

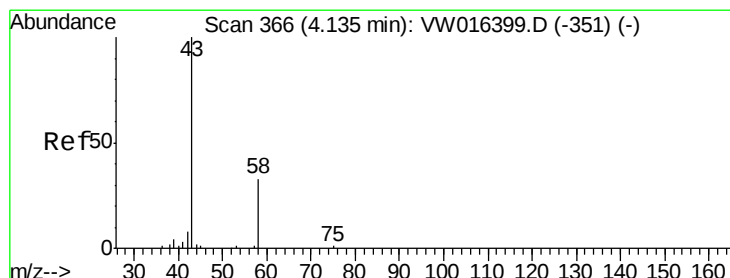
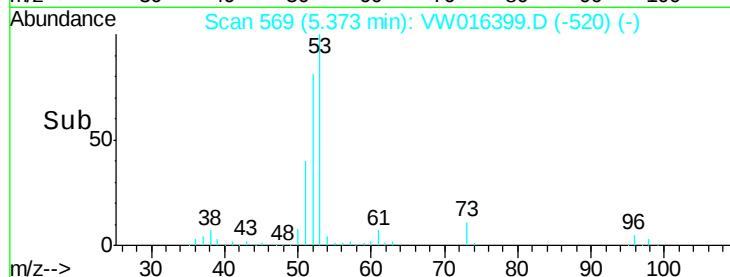
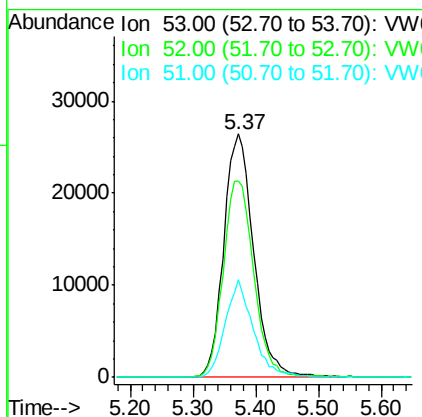
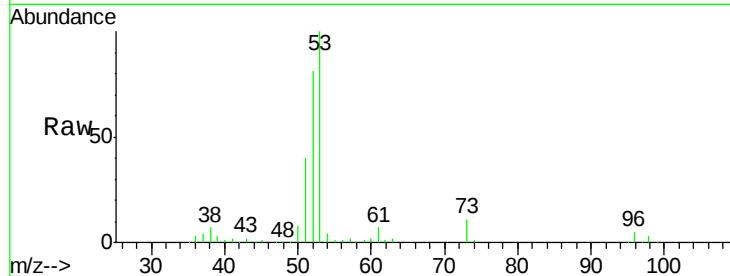
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	87267
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	37.4	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM



#16

Acetone

Concen: 223.944 ug/l

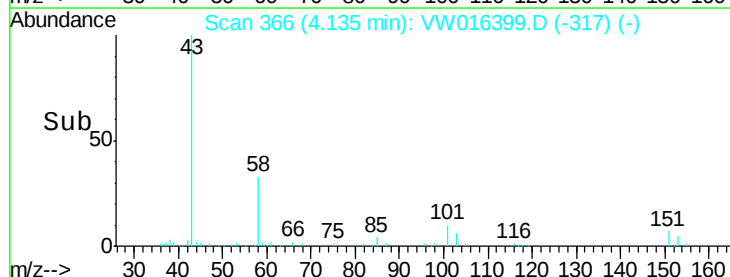
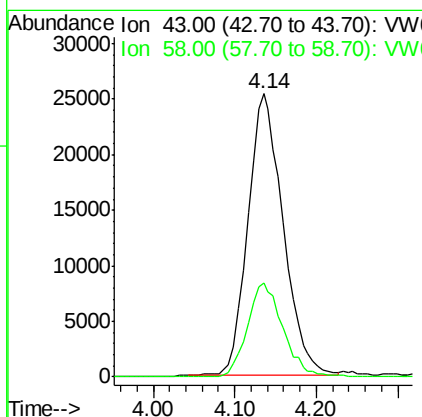
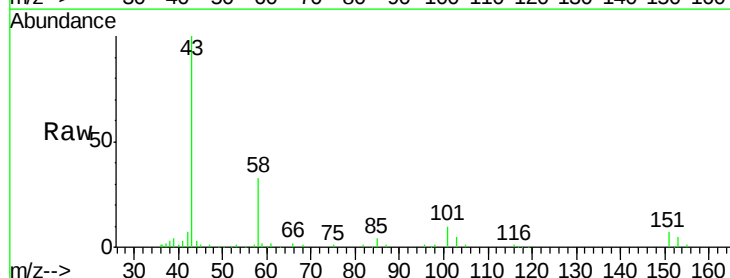
RT: 4.14 min Scan# 366

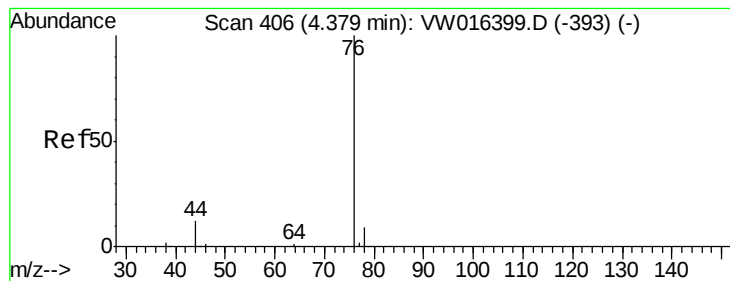
Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Tgt Ion:	43	Resp:	76277
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.6	39.8





#17

Carbon Disulfide

Concen: 41.805 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Tot Ion: 76 Resp: 251203

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

Instrument :

MSVOA_W

ClientSampleId :

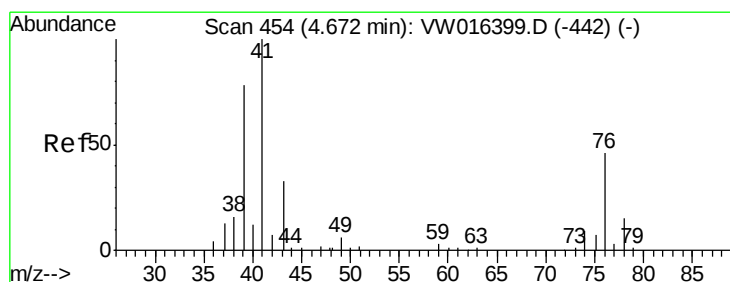
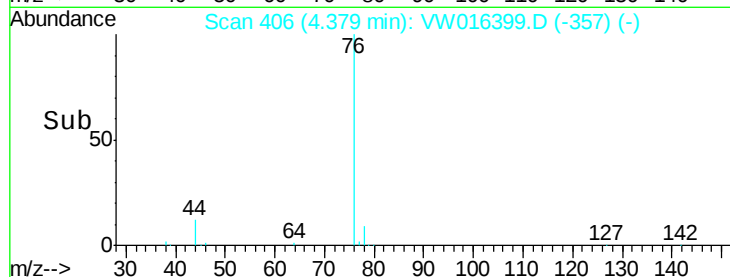
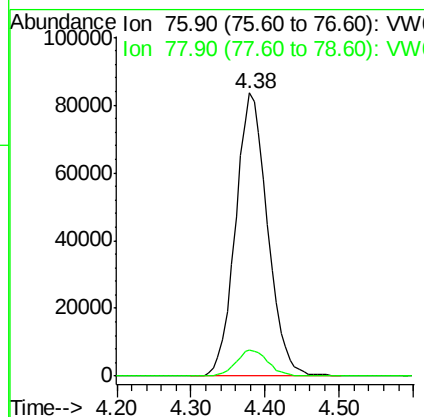
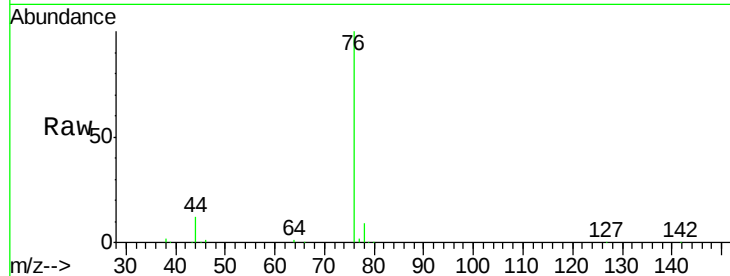
VSTDICCC050

Manual Integrations

APPROVED

MMDadoda

8/31/2020 11:59:48 AM



#18

Methyl Acetate

Concen: 44.970 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW016399.D

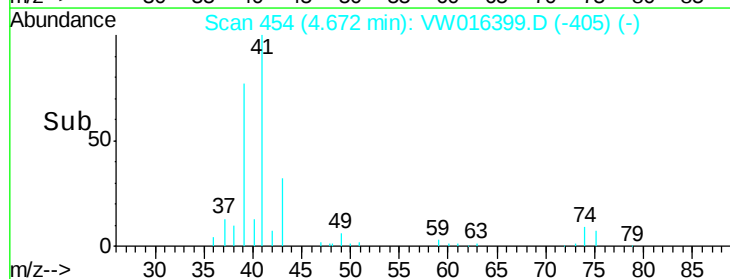
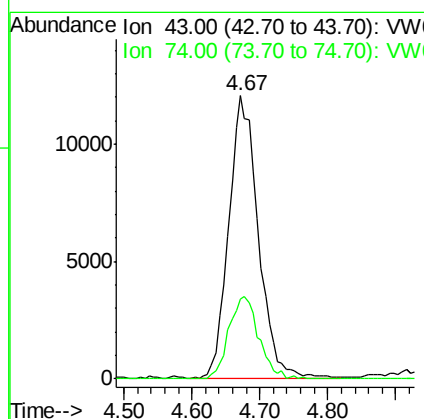
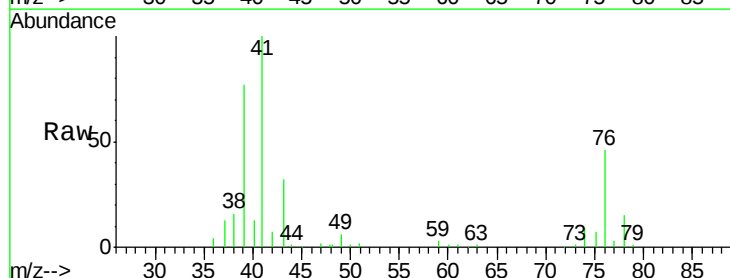
Acq: 28 Aug 2020 13:44

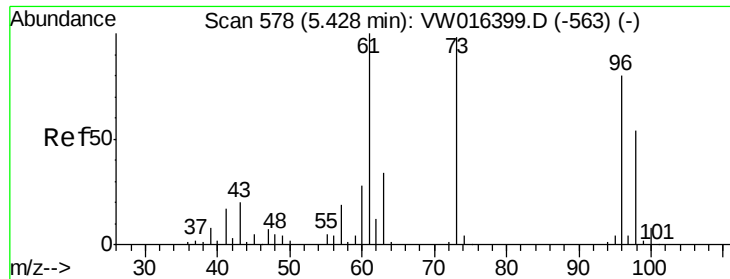
Tgt Ion: 43 Resp: 36611

Ion Ratio Lower Upper

43 100

74 29.0 23.2 34.8





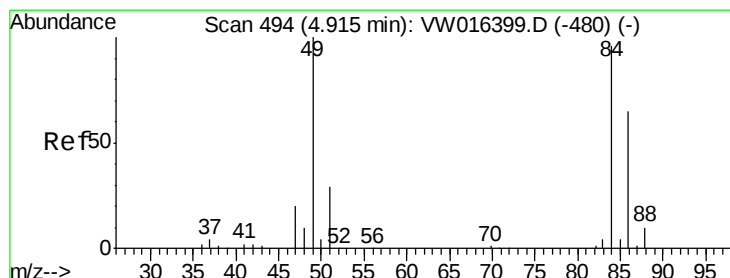
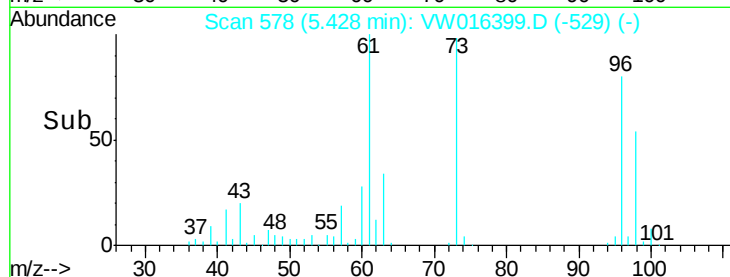
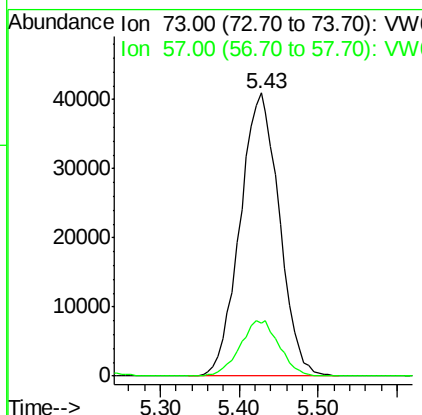
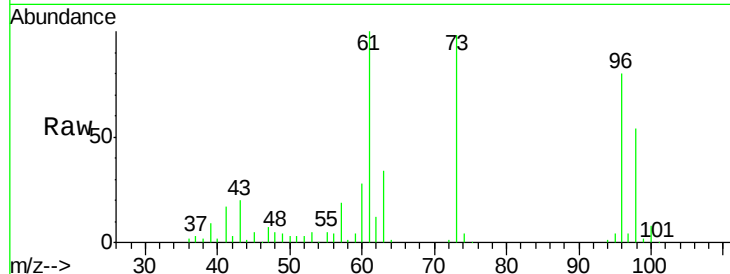
#19
Methvl tert-butvl Ether
Concen: 54.602 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 141612
Ion Ratio Lower Upper
73 100
57 18.8 15.0 22.6

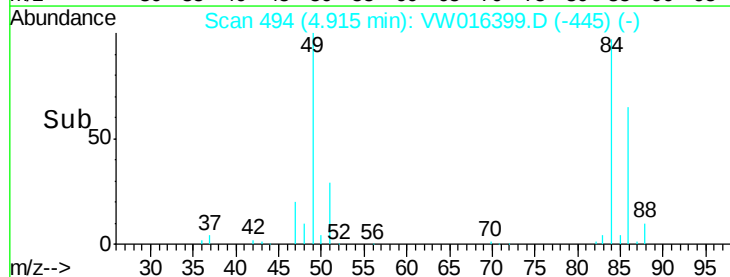
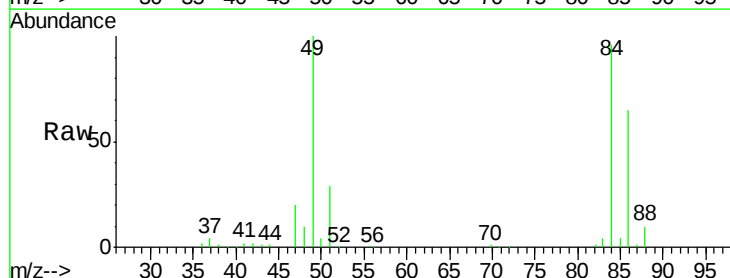
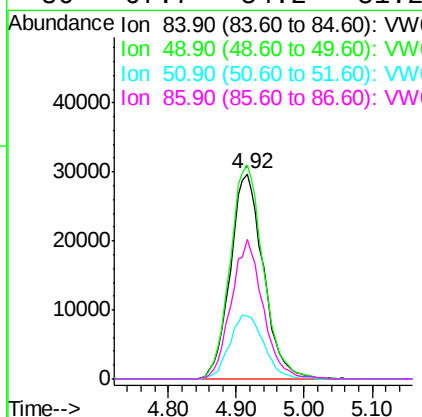
Manual Integrations
APPROVED

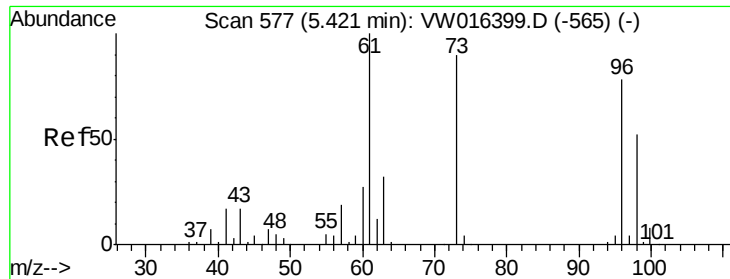
MMDadoda
8/31/2020 11:59:48 AM



#20
Methylene Chloride
Concen: 38.073 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion: 84 Resp: 100301
Ion Ratio Lower Upper
84 100
49 104.0 83.2 124.8
51 30.5 24.4 36.6
86 67.7 54.2 81.2





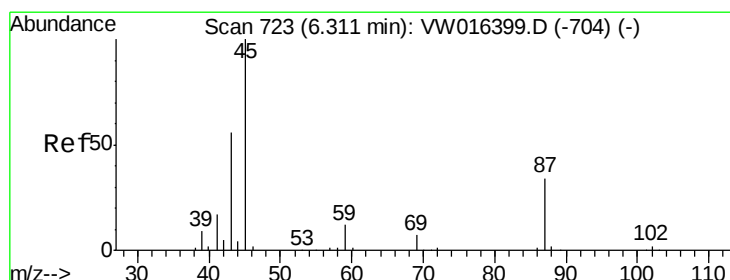
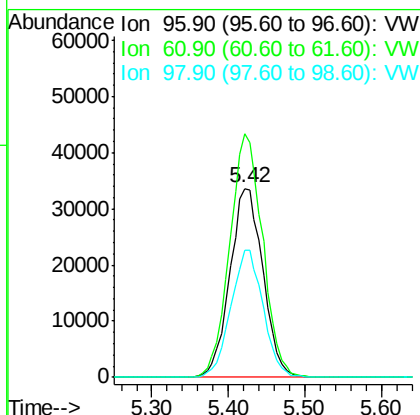
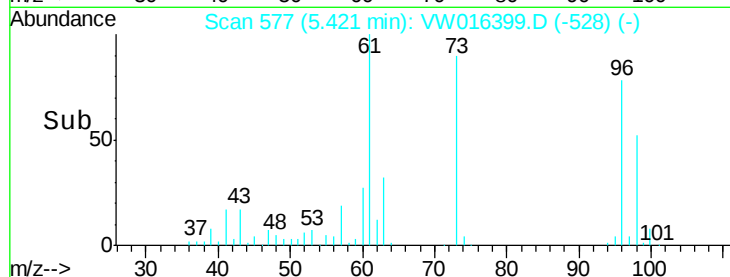
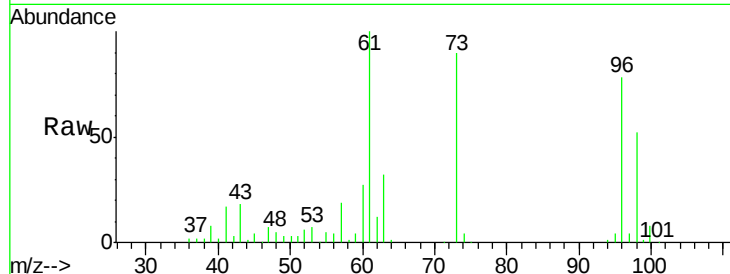
#21
trans-1,2-Dichloroethene
Concen: 44.715 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	103.0	154.6
98	67.2	53.8	80.6

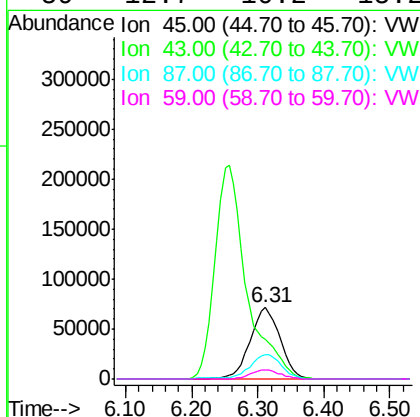
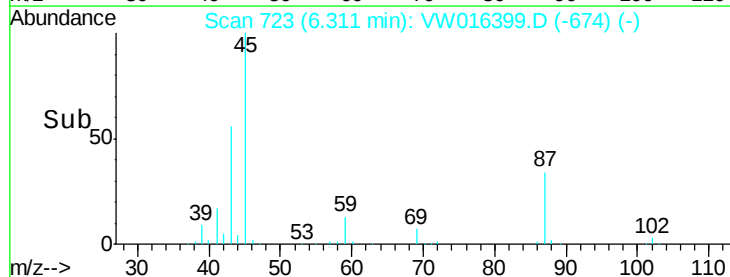
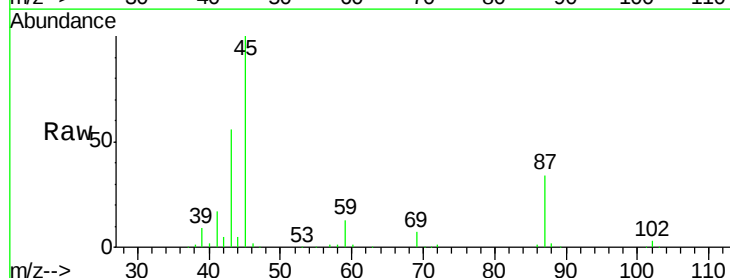
Manual Integrations
APPROVED

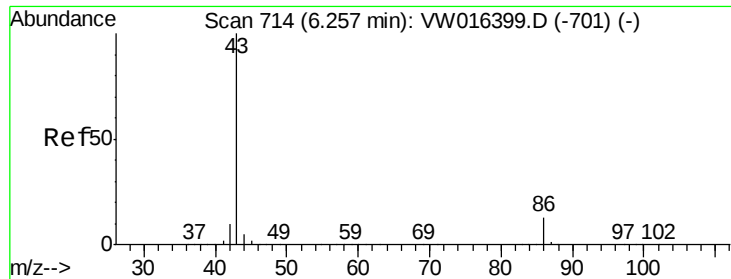
MMDadoda
8/31/2020 11:59:48 AM



#22
Diisopropyl ether
Concen: 43.860 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	44.6	67.0
87	34.4	27.5	41.3
59	12.7	10.2	15.2





#23

Vinyl Acetate

Concen: 239.932 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 710184

Ion Ratio Lower Upper

43 100

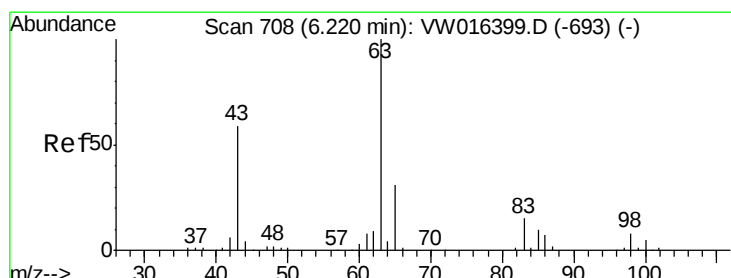
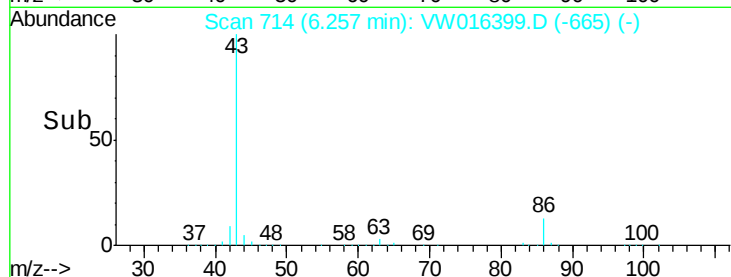
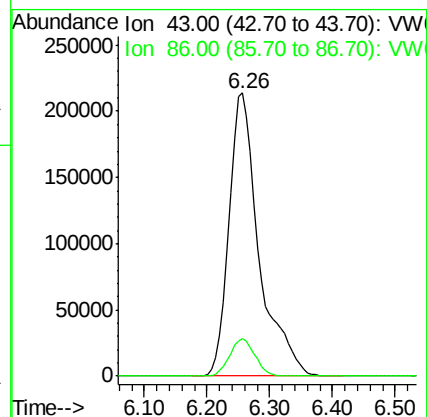
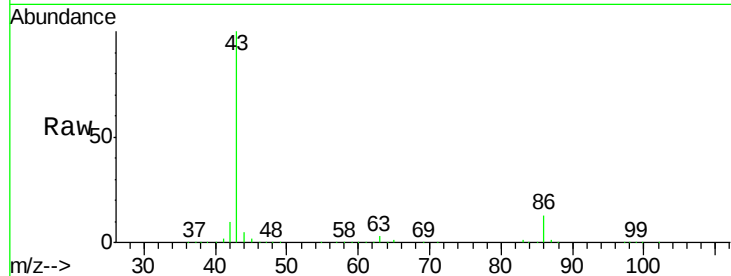
86 13.2 10.6 15.8

Manual Integrations

APPROVED

MMDadoda

8/31/2020 11:59:48 AM



#24

1,1-Dichloroethane

Concen: 43.301 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

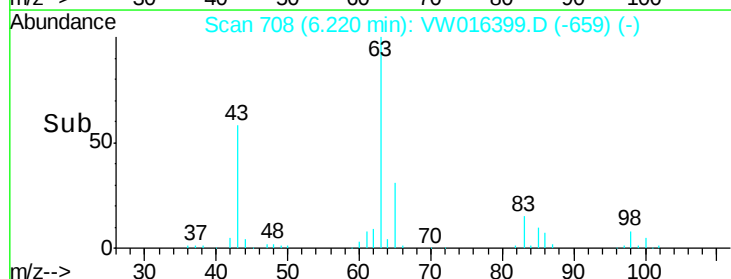
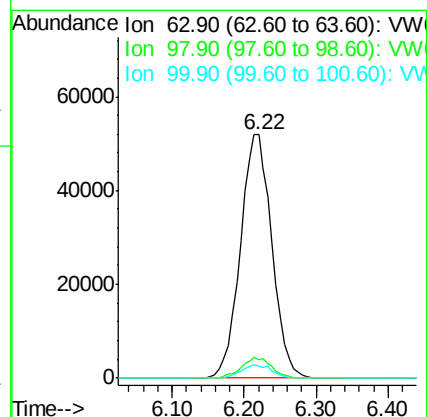
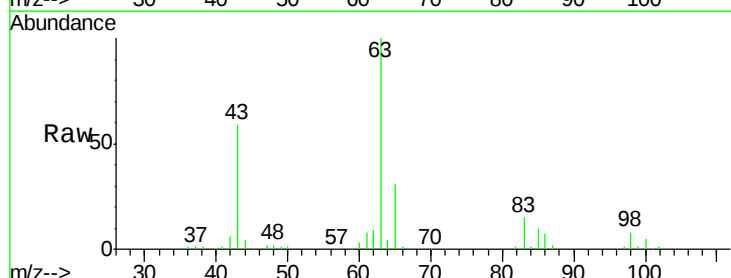
Tgt Ion: 63 Resp: 157047

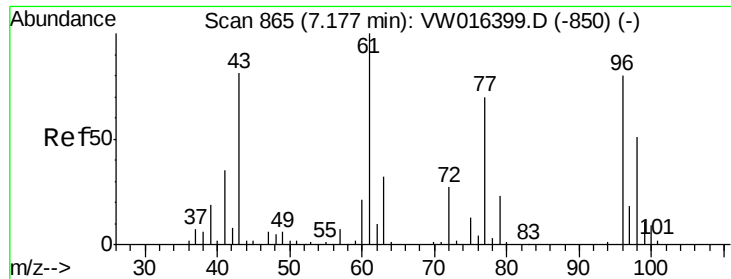
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 5.0 2.5 7.5





#25

2-Butanone

Concen: 229.351 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 106151

Ion Ratio Lower Upper

43 100

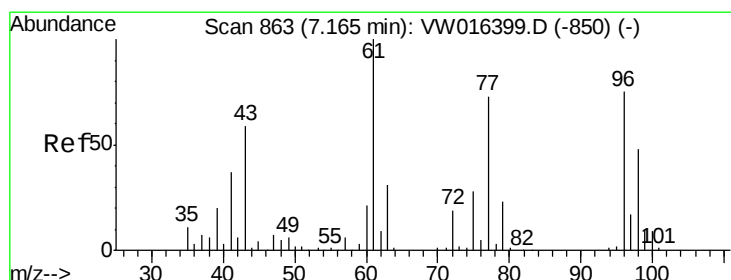
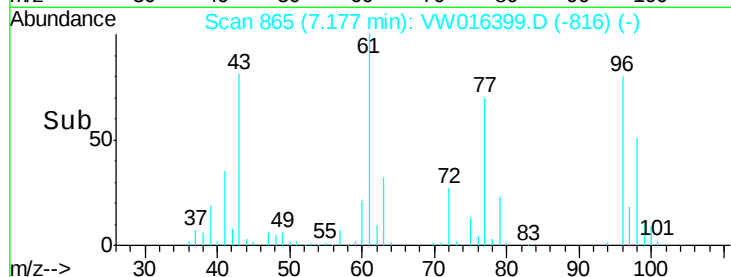
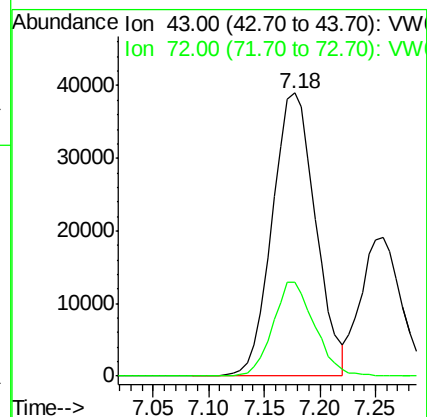
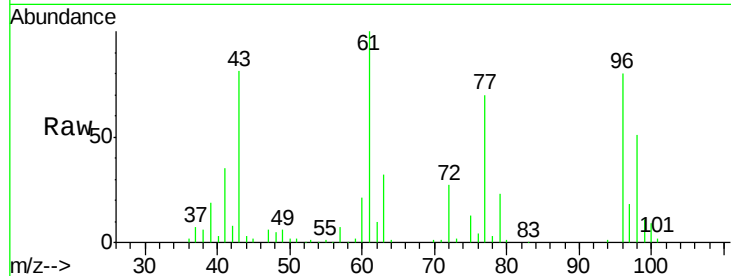
72 33.4 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

8/31/2020 11:59:48 AM



#26

2,2-Dichloropropane

Concen: 47.970 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW016399.D

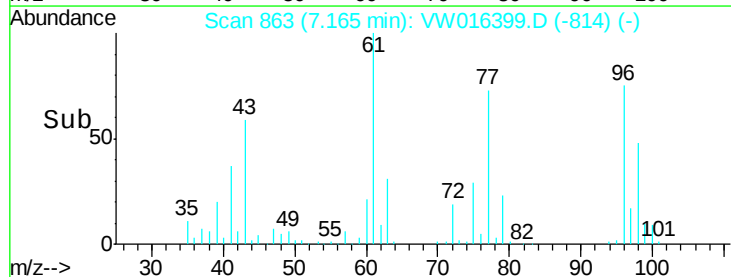
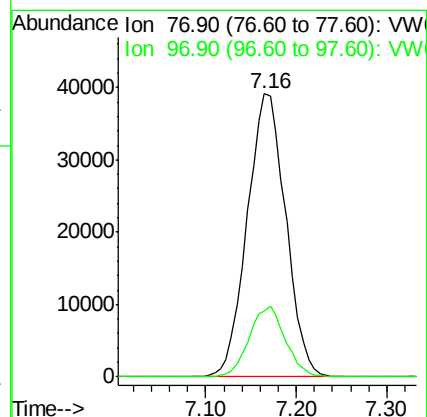
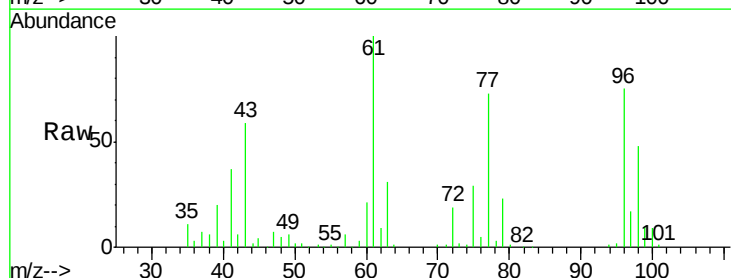
Acq: 28 Aug 2020 13:44

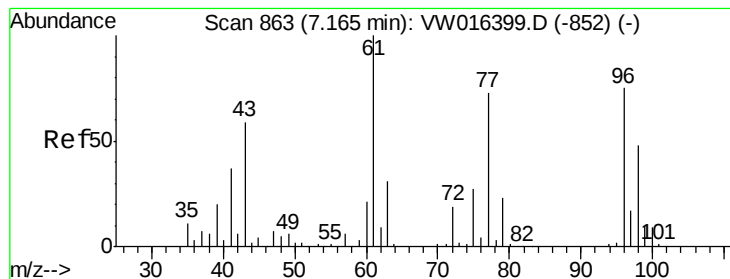
Tgt Ion: 77 Resp: 115081

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0





#27

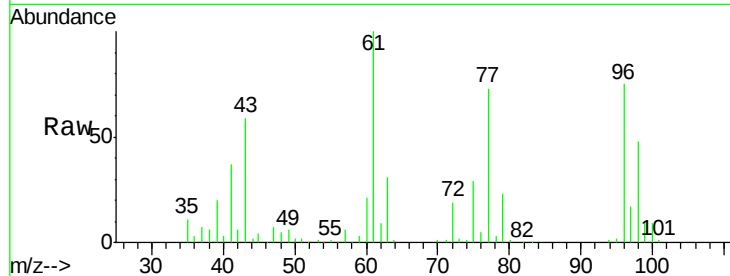
cis-1,2-Dichloroethene
Concen: 46.329 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

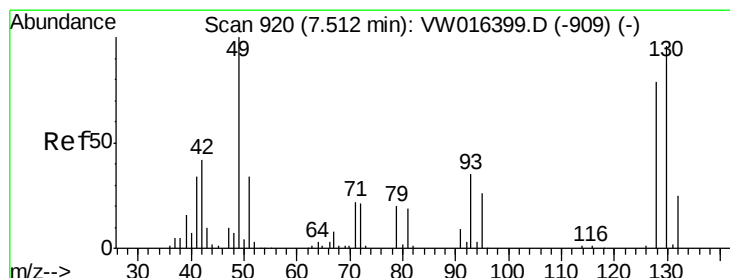
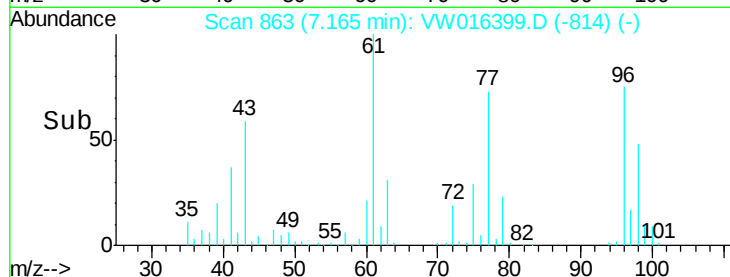
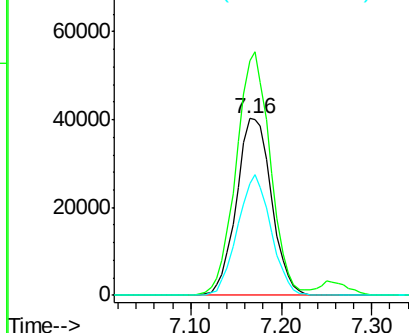
Tot Ion	Ratio	Resp	Lower	Upper
96	100	108123		
61	134.3	0.0	268.6	
98	65.0	0.0	130.0	

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM



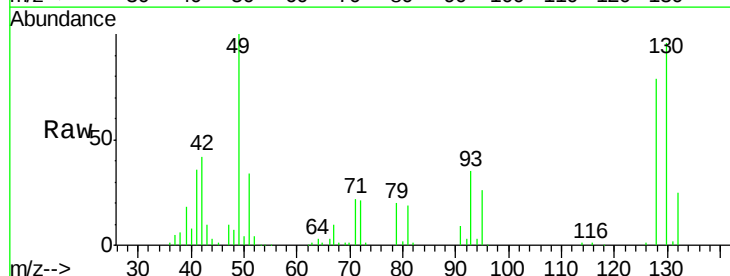
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



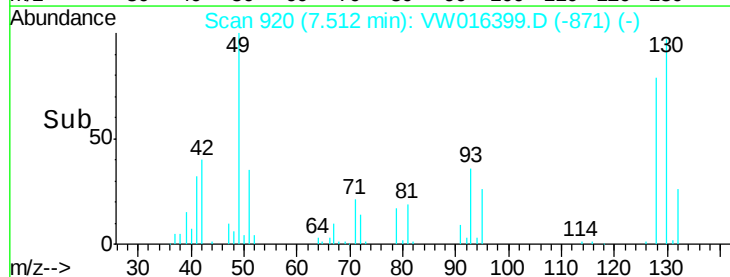
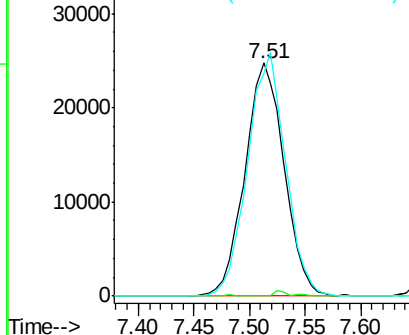
#28

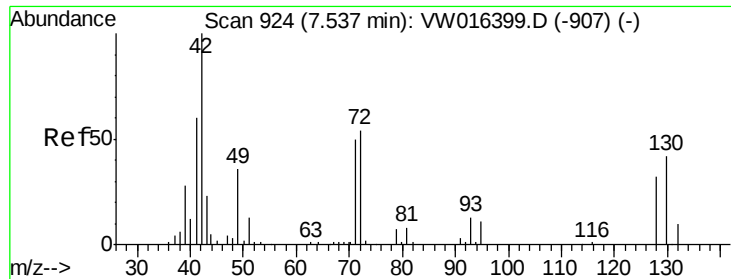
Bromochloromethane
Concen: 44.834 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	60880		
129	0.9	0.0	1.8	
130	101.0	80.8	121.2	



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





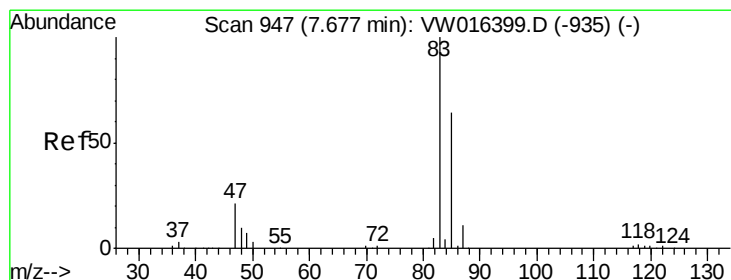
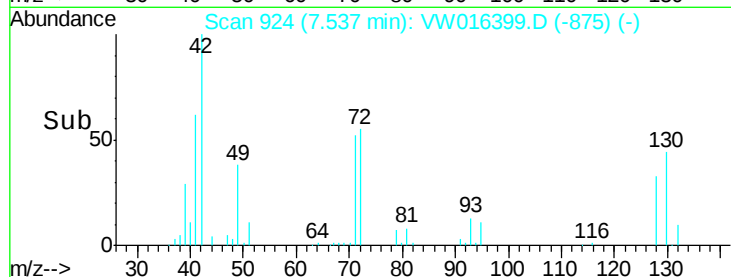
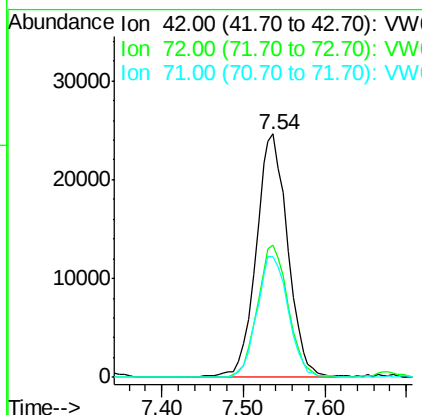
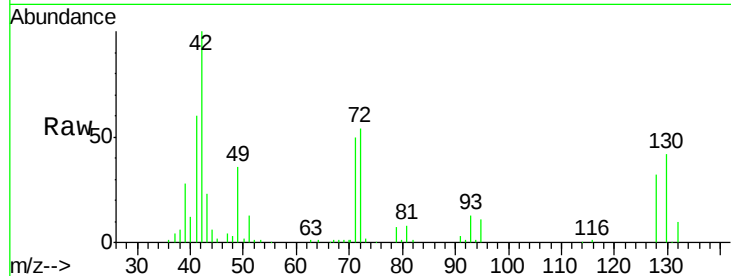
#29
Tetrahydrofuran
Concen: 238.415 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.9	42.3	63.5
71	49.4	39.5	59.3

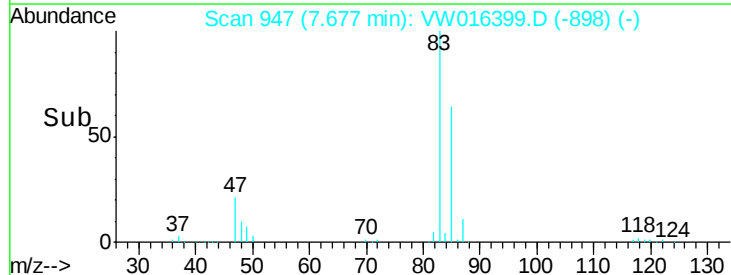
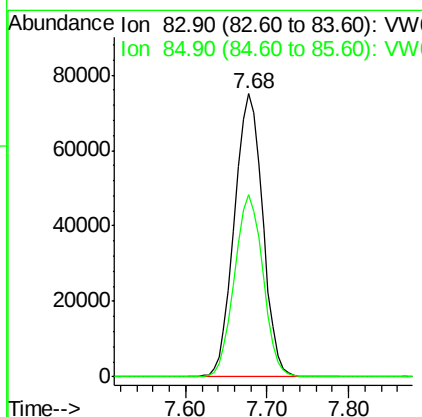
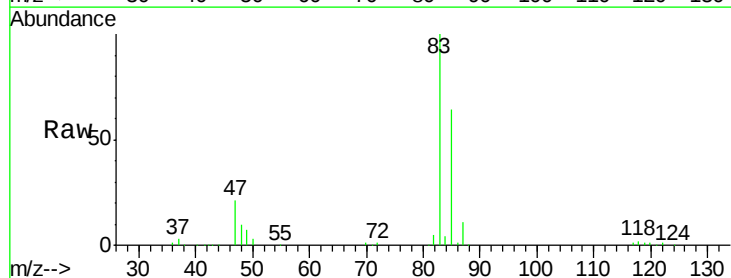
Manual Integrations
APPROVED

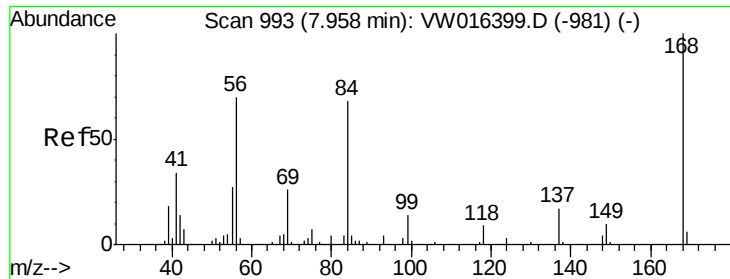
MMDadoda
8/31/2020 11:59:48 AM



#30
Chloroform
Concen: 47.120 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4





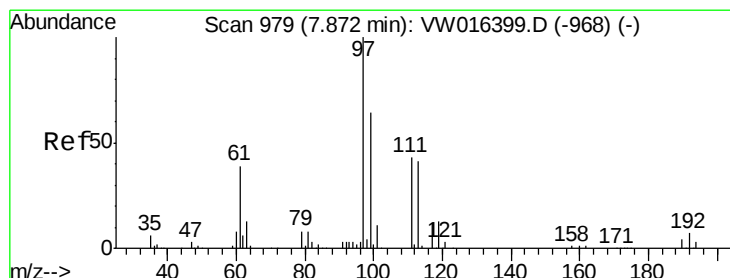
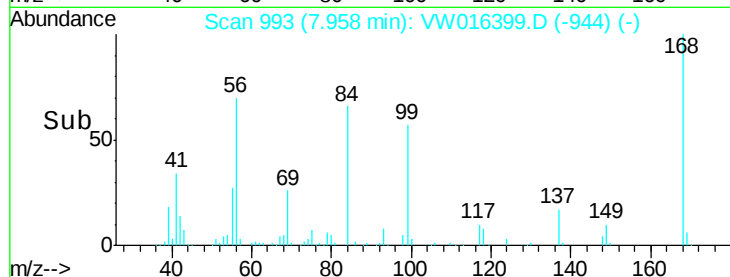
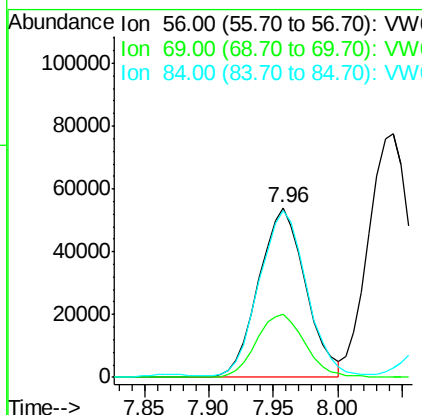
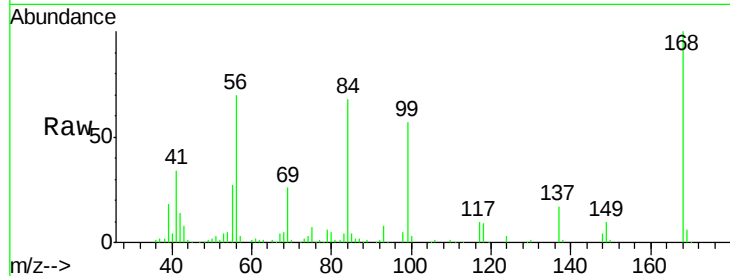
#31
Cyclohexane
Concen: 41.008 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	30.0	45.0
84	96.8	77.4	116.2

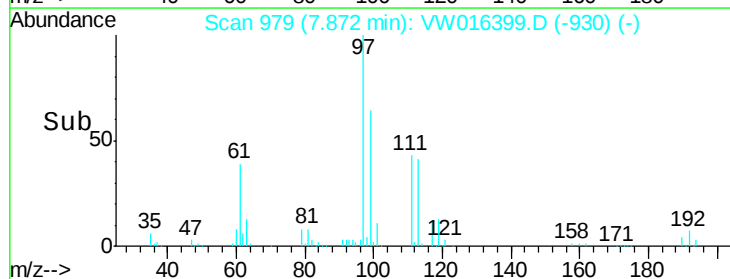
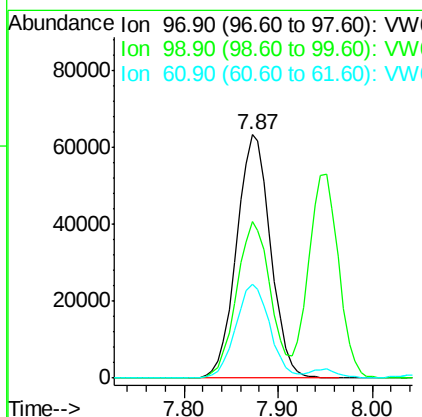
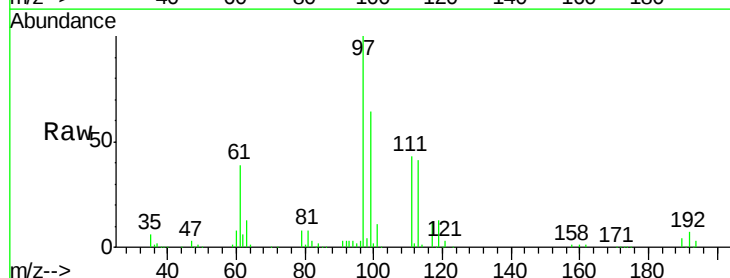
Manual Integrations
APPROVED

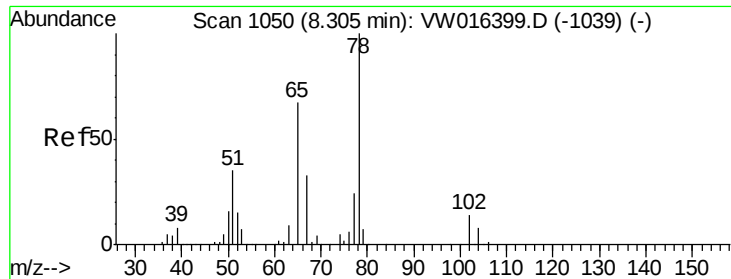
MMDadoda
8/31/2020 11:59:48 AM



#32
1,1,1-Trichloroethane
Concen: 49.295 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	38.8	31.0	46.6





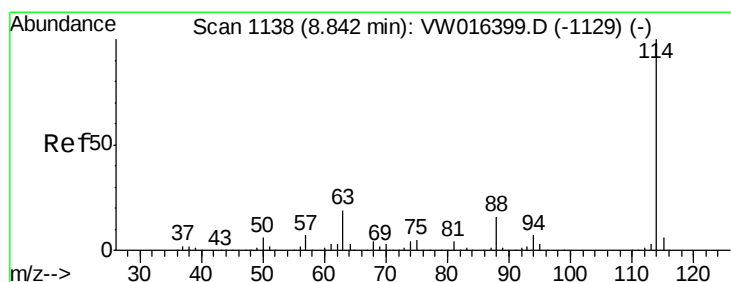
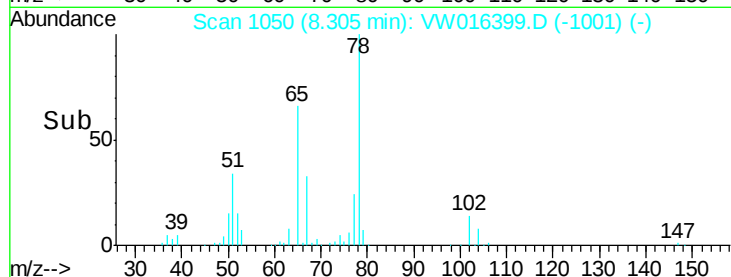
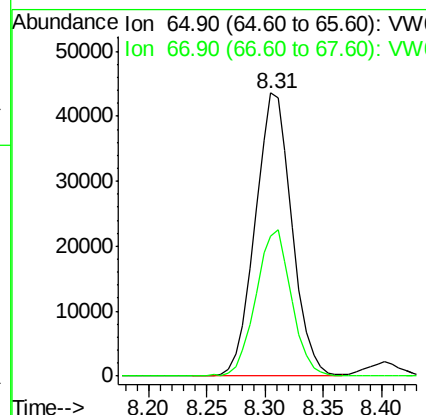
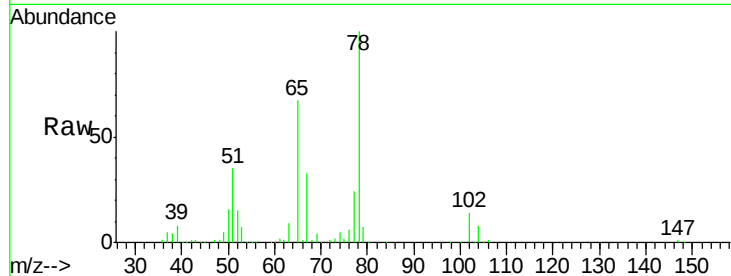
#33
 1,2-Dichloroethane-d4
 Concen: 51.578 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	95525		
67	50.1	0.0	100.2	

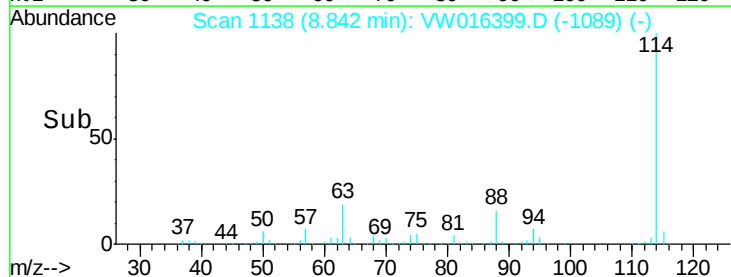
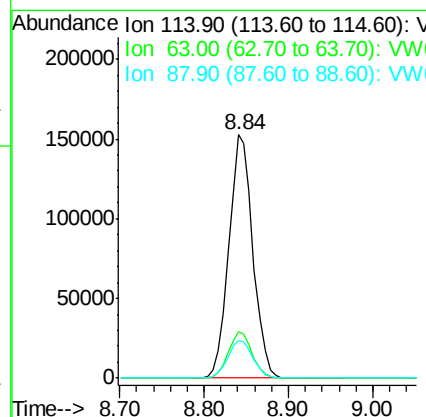
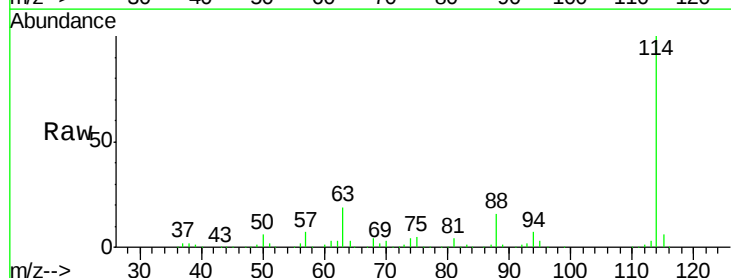
Manual Integrations
 APPROVED

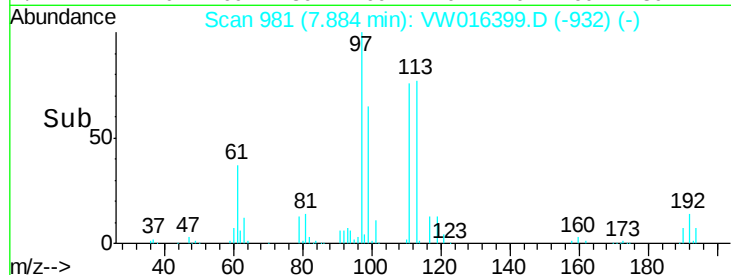
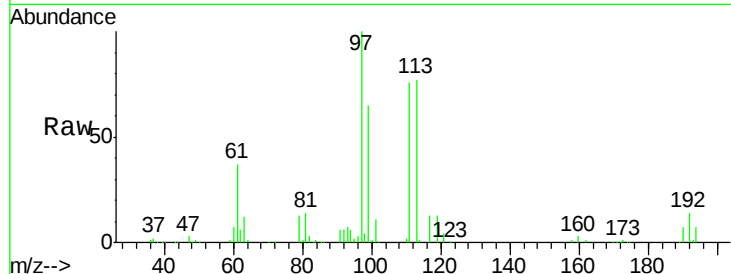
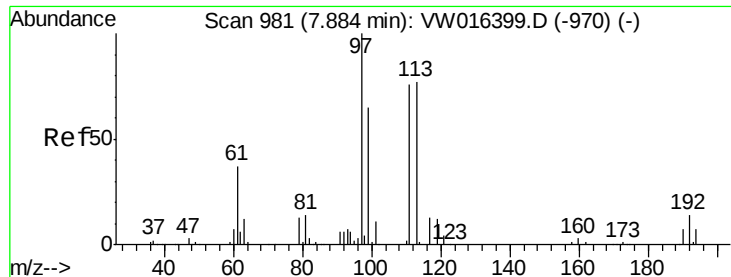
MMDadoda
 8/31/2020 11:59:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	295913		
63	18.9	0.0	37.8	
88	15.6	0.0	31.2	





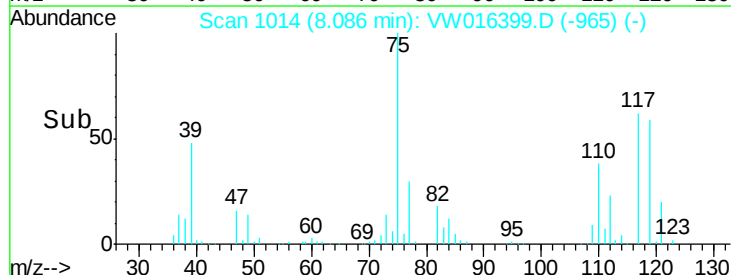
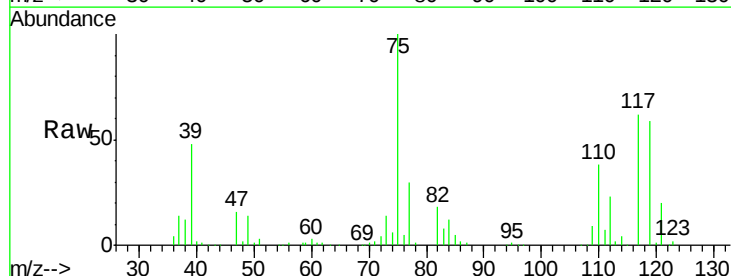
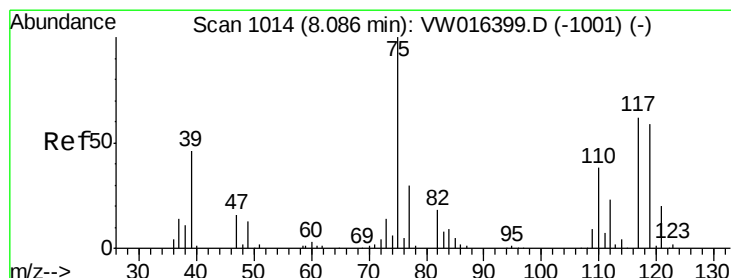
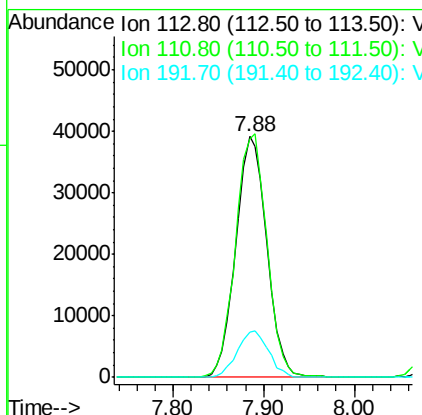
#35
Dibromofluoromethane
Concen: 51.057 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tot Ion	Ratio	Resp	Lower	Upper
113	100	92707		
111	102.6	82.1	123.1	
192	19.4	15.5	23.3	

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

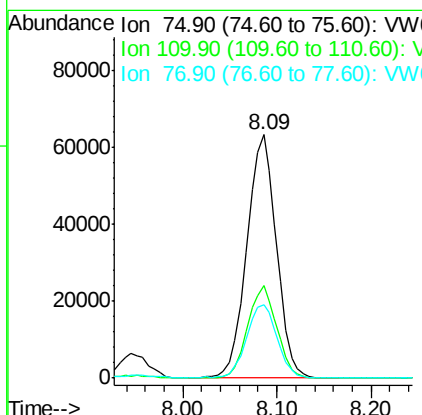
Manual Integrations
APPROVED

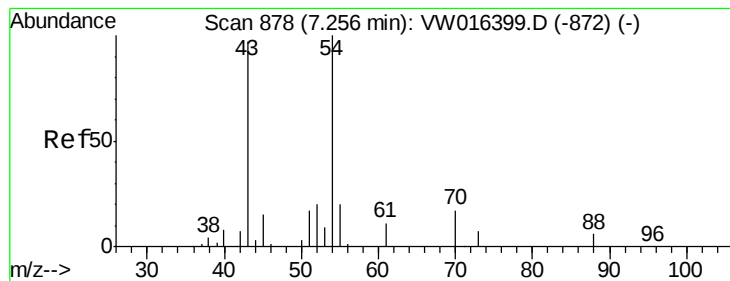
MMDadoda
8/31/2020 11:59:48 AM



#36
1,1-Dichloropropene
Concen: 47.899 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139651		
110	37.3	18.6	56.0	
77	31.4	25.1	37.7	





#37

Ethyl Acetate

Concen: 50.312 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

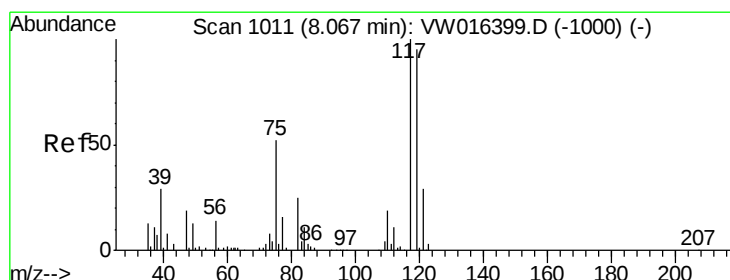
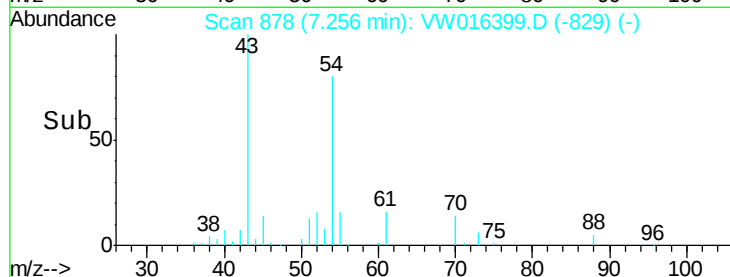
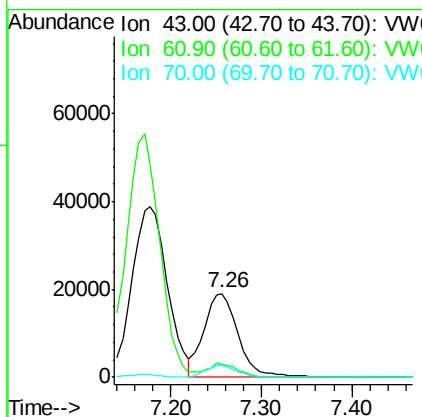
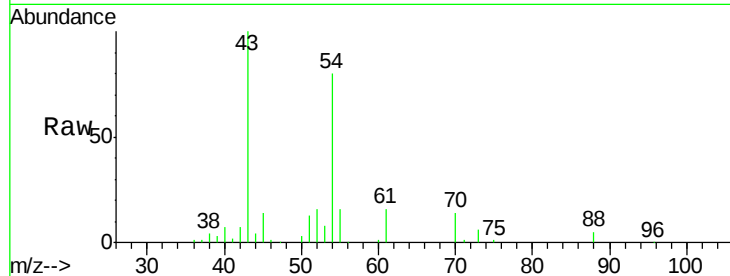
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	49685
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	13.4	10.7	16.1

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM



#38

Carbon Tetrachloride

Concen: 51.570 ug/l

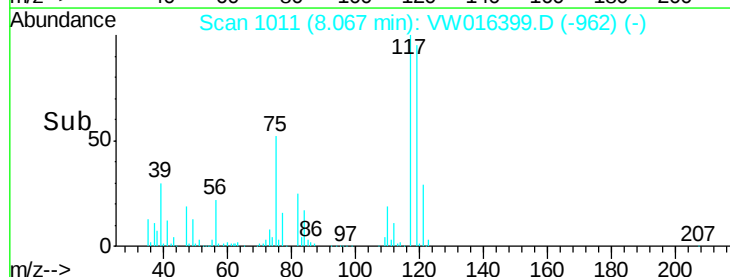
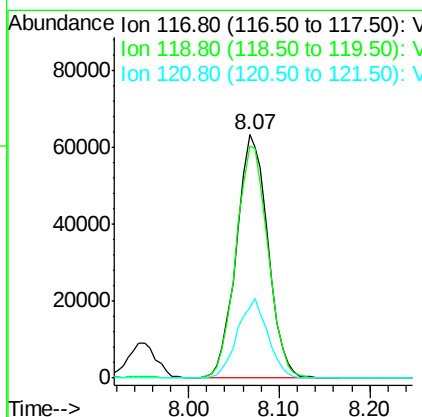
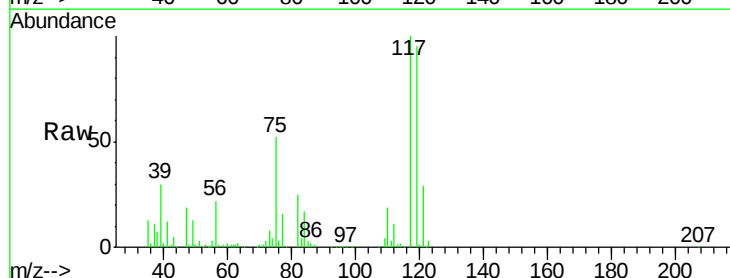
RT: 8.07 min Scan# 1011

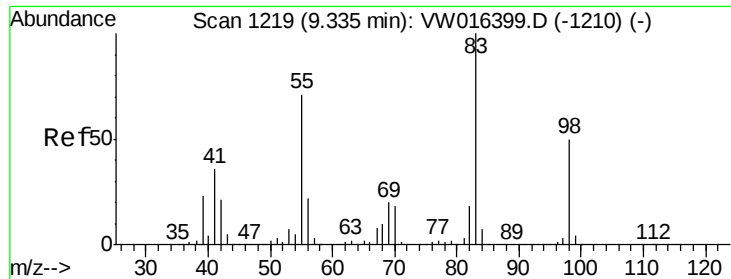
Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Tgt Ion:	117	Resp:	152617
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	28.8	23.0	34.6





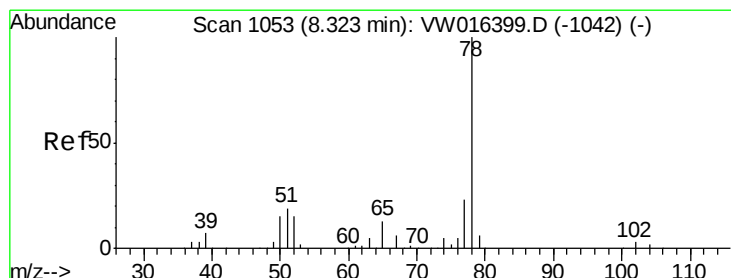
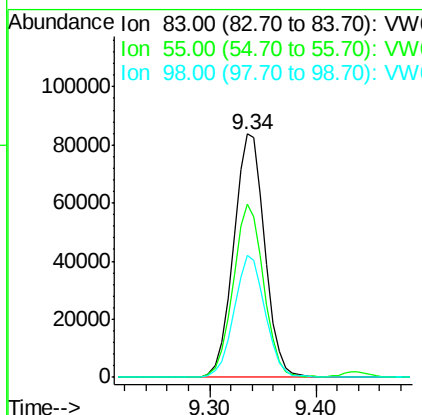
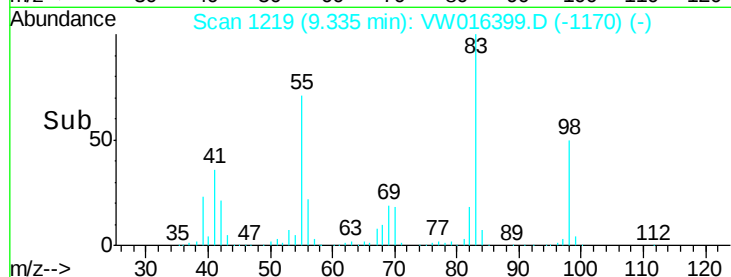
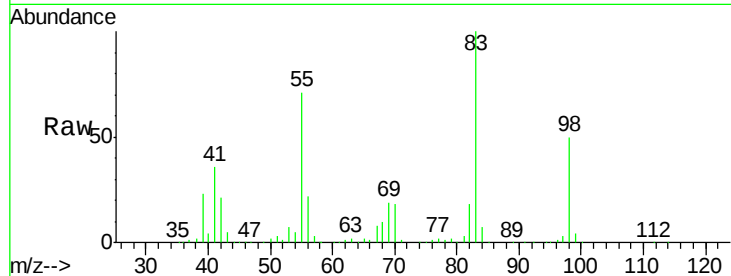
#39
Methvlcvclohexane
Concen: 48.916 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.0	85.6
98	49.9	39.9	59.9

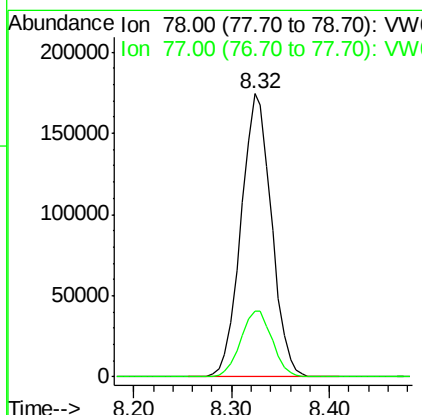
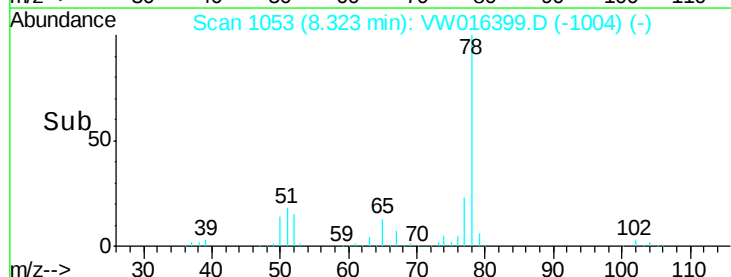
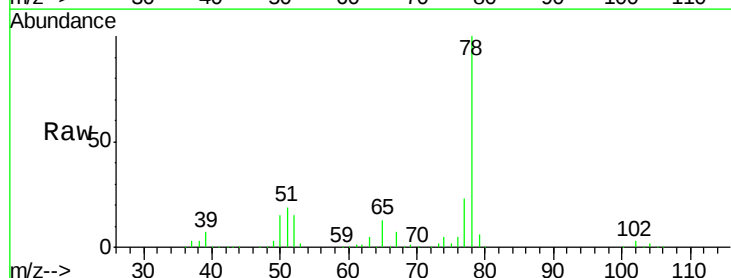
Manual Integrations
APPROVED

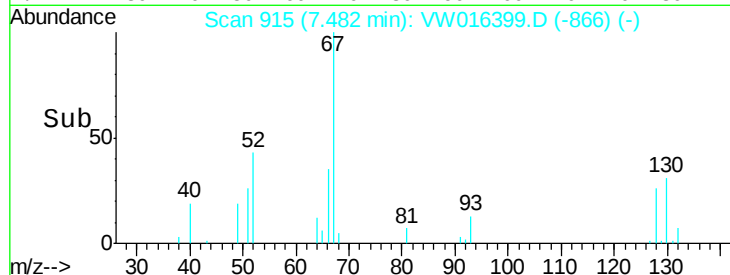
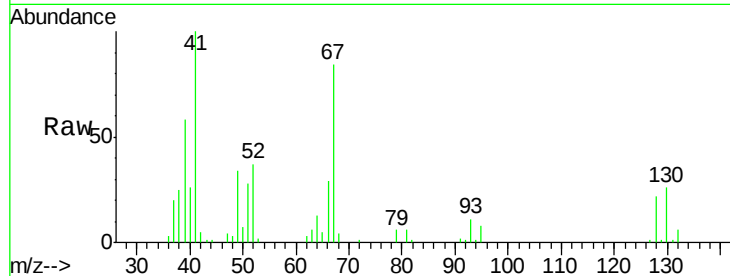
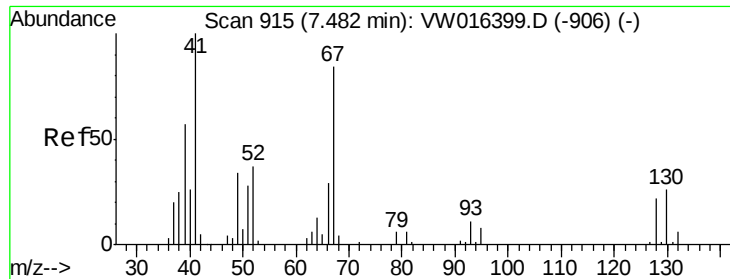
MMDadoda
8/31/2020 11:59:48 AM



#40
Benzene
Concen: 46.085 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	27.8





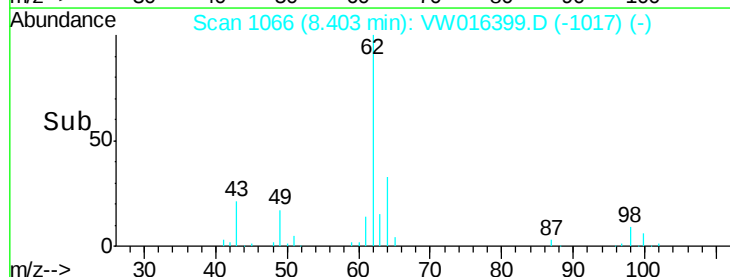
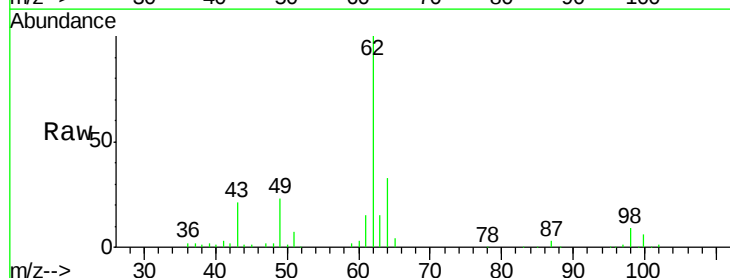
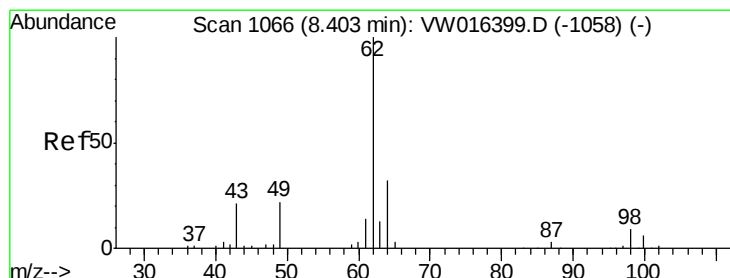
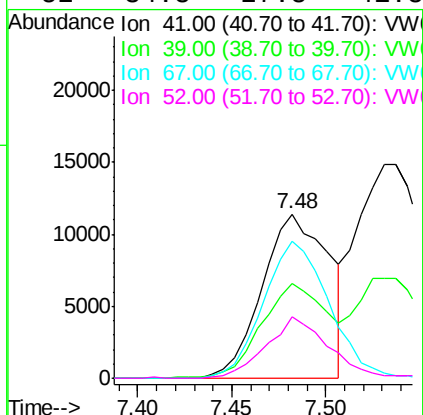
#41
Methacrylonitrile
Concen: 49.974 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tot Ion	41	Resp	28068
Ion	Ratio	Lower	Upper
41	100		
39	56.8	45.4	68.2
67	82.2	65.8	98.6
52	34.8	27.8	41.8

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

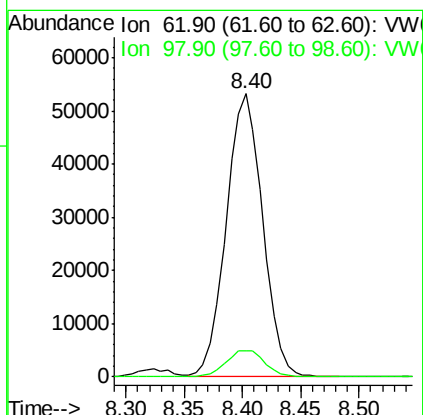
Manual Integrations
APPROVED

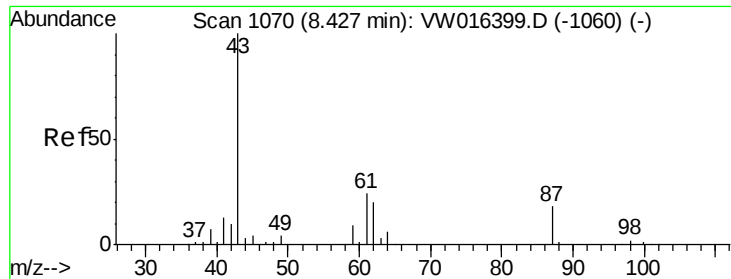
MMDadoda
8/31/2020 11:59:48 AM



#42
1,2-Dichloroethane
Concen: 52.567 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	62	Resp	115378
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8





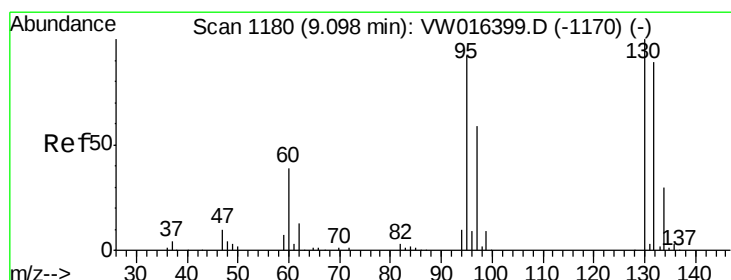
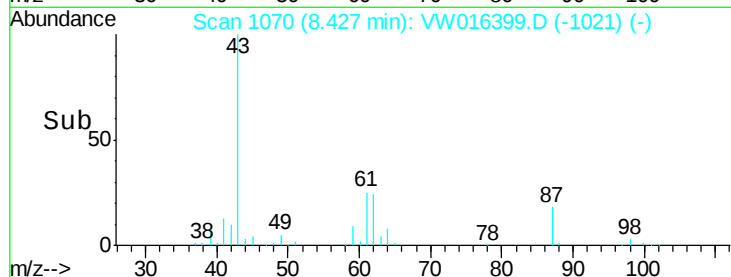
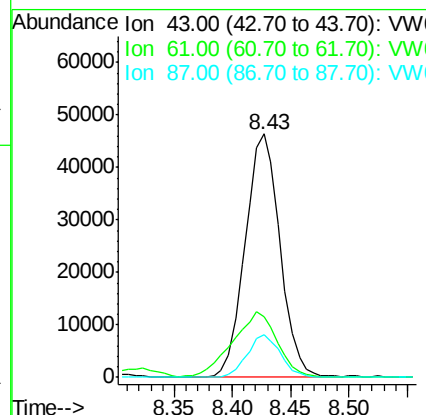
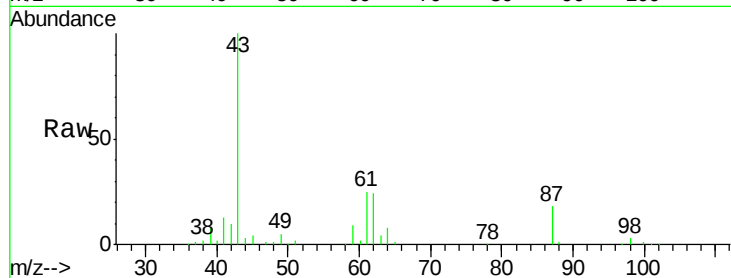
#43
Isopropyl Acetate
Concen: 51.706 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.4	27.5	41.3
87	16.9	13.5	20.3

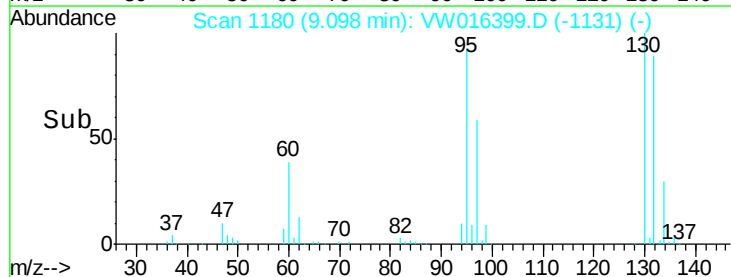
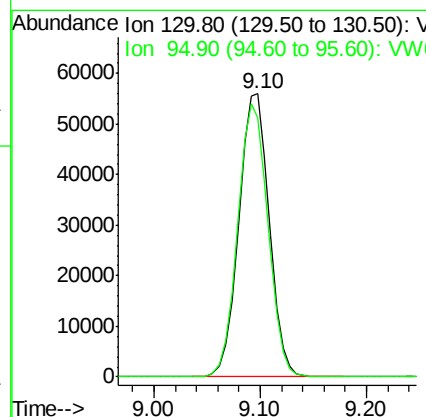
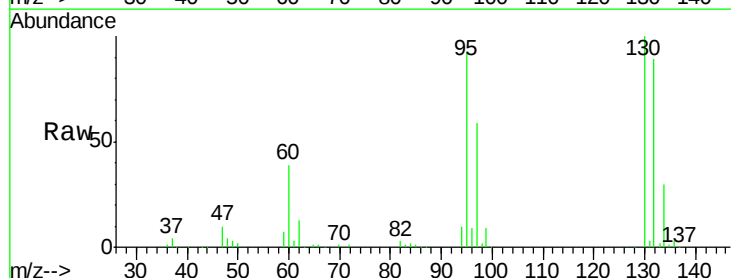
Manual Integrations
APPROVED

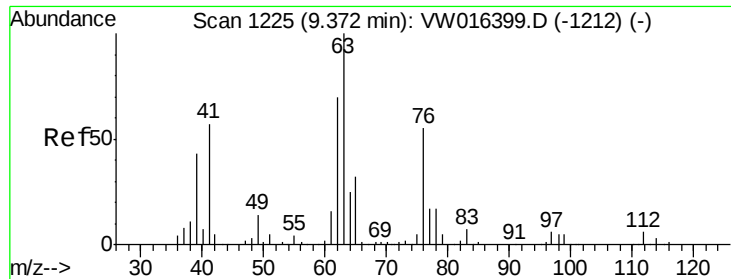
MMDadoda
8/31/2020 11:59:48 AM



#44
Trichloroethene
Concen: 48.013 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	183.4





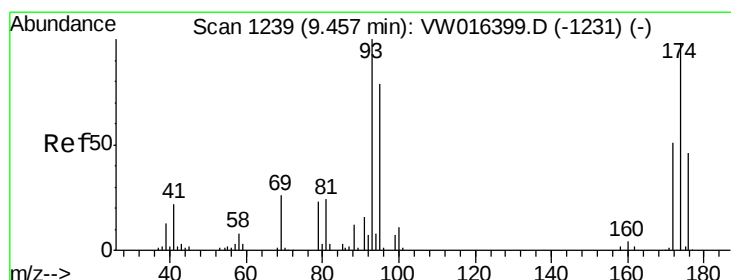
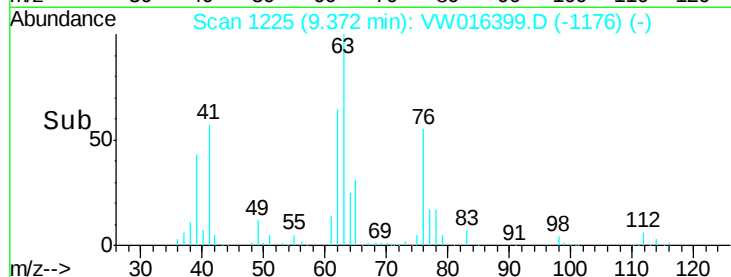
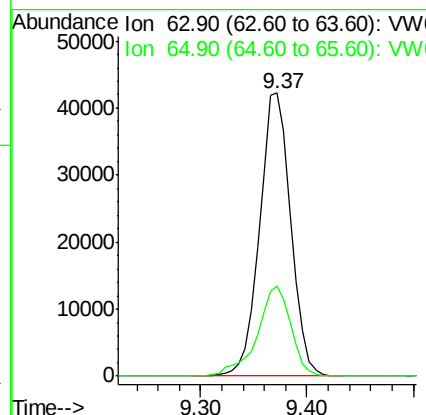
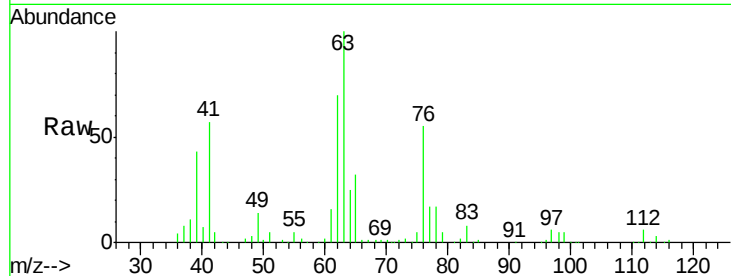
#45
 1,2-Dichloropropane
 Concen: 45.349 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 86602
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.4 38.0

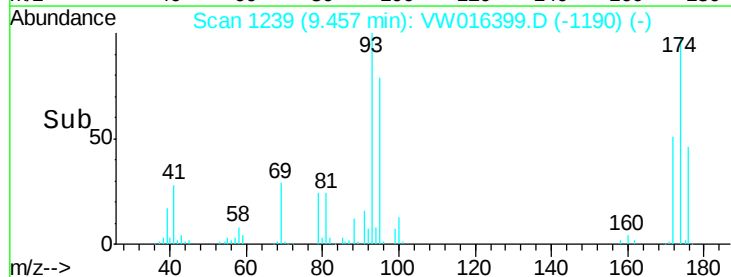
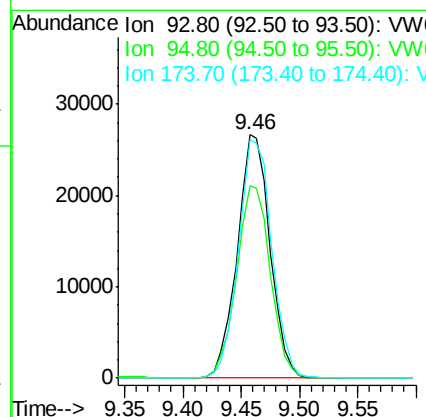
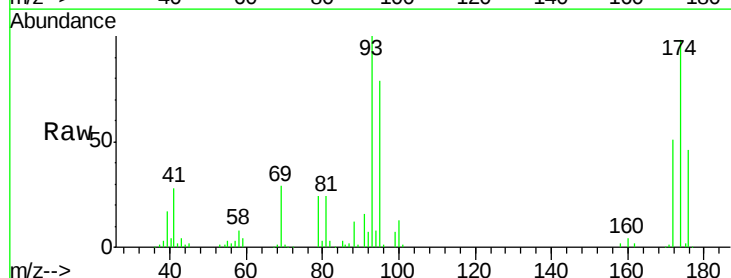
Manual Integrations
 APPROVED

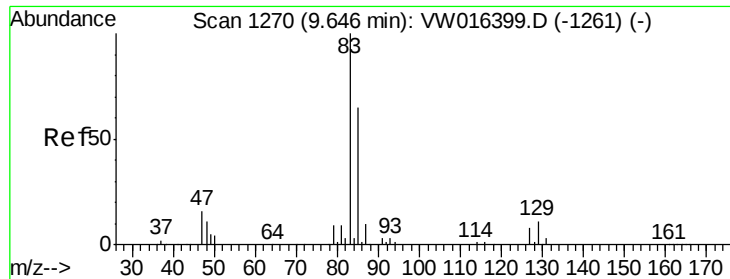
MMDadoda
 8/31/2020 11:59:48 AM



#46
 Dibromomethane
 Concen: 51.222 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Tgt Ion: 93 Resp: 52240
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.3 97.9
 174 100.1 80.1 120.1





#47

Bromodichloromethane

Concen: 51.017 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

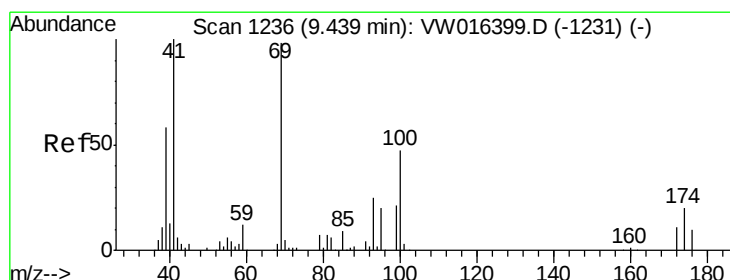
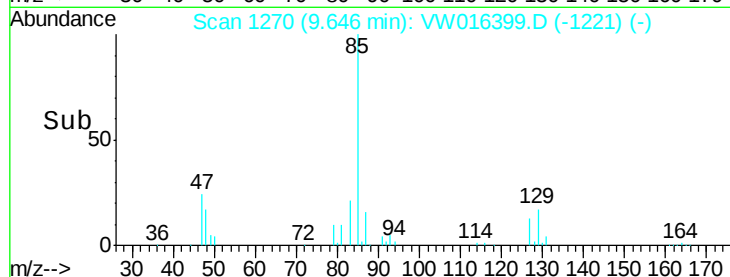
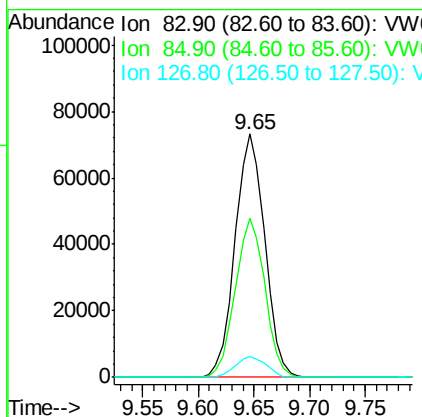
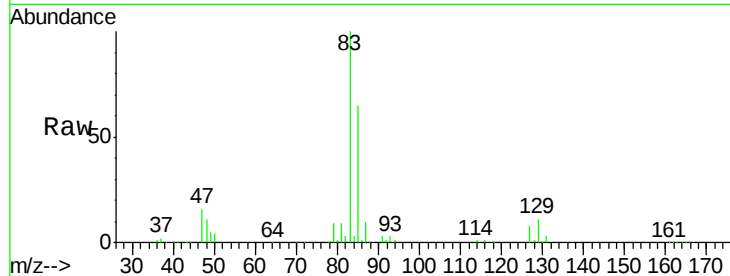
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	135119
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.2	78.2
127	8.5	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM



#48

Methyl methacrylate

Concen: 52.380 ug/l

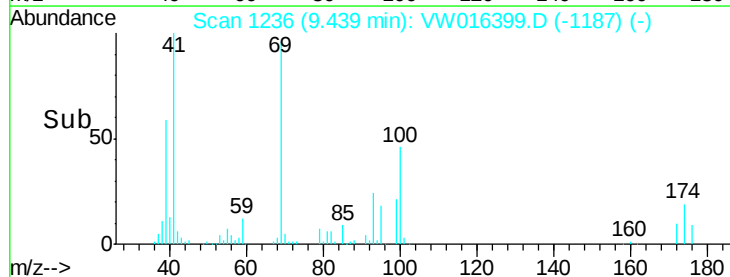
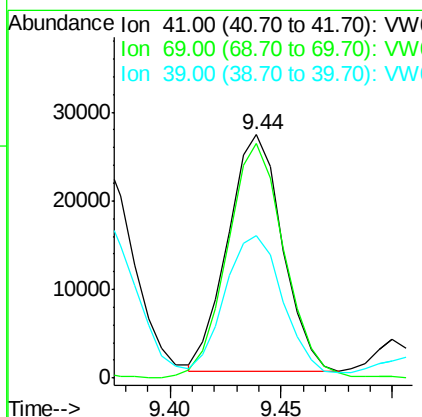
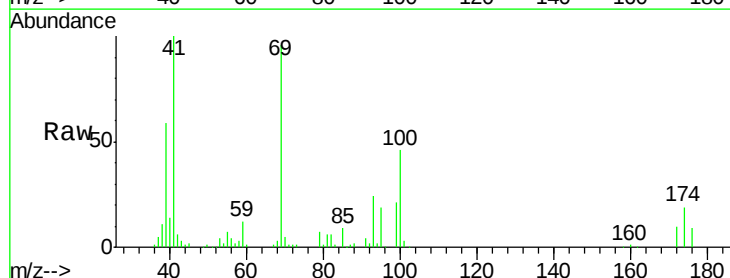
RT: 9.44 min Scan# 1236

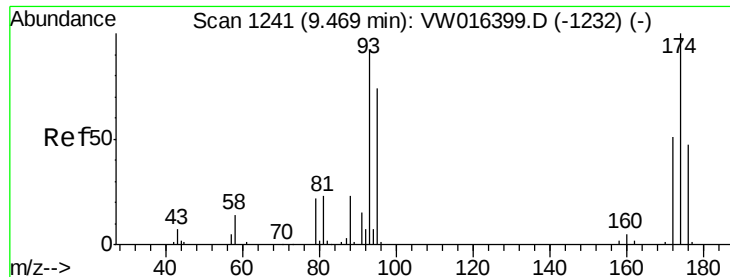
Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Tgt Ion:	41	Resp:	45480
Ion Ratio	Lower	Upper	
41	100		
69	104.4	83.5	125.3
39	60.9	48.7	73.1





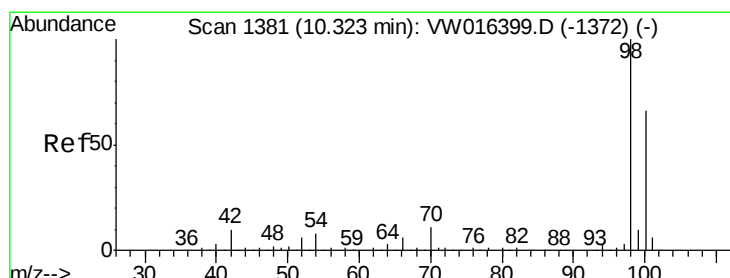
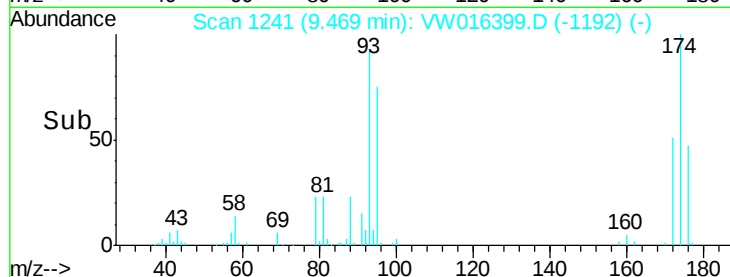
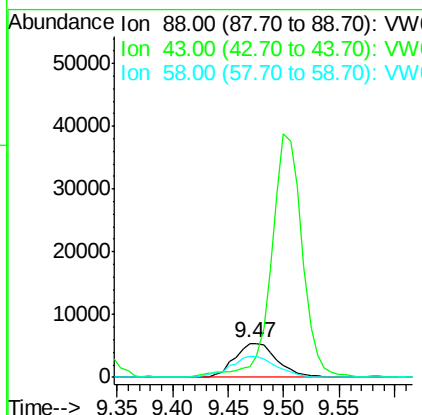
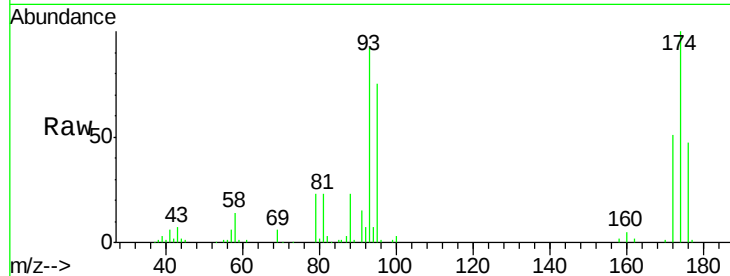
#49
1,4-Dioxane
Concen: 1133.566 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	14486
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	66.9	53.5	80.3

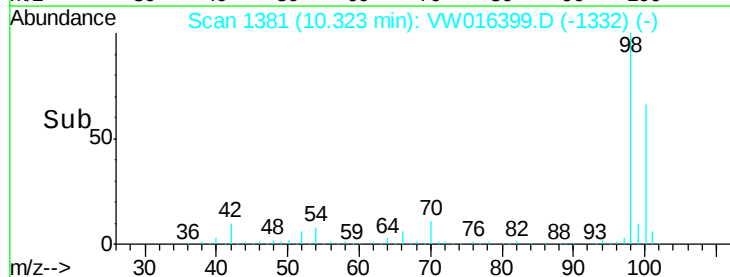
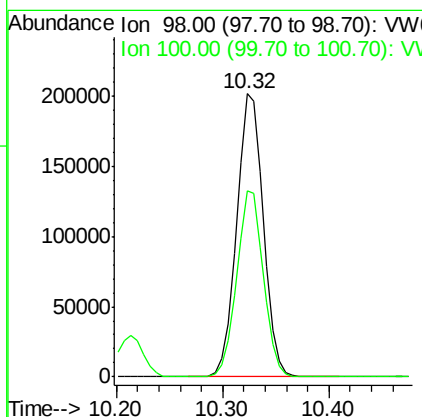
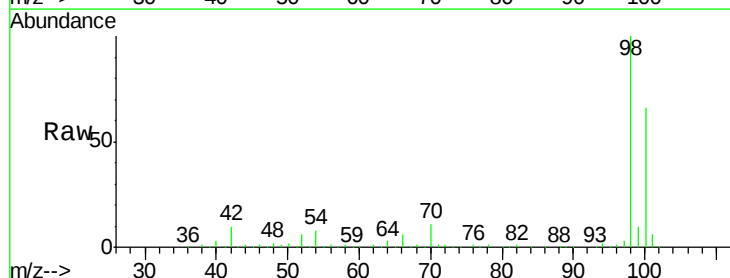
Manual Integrations
APPROVED

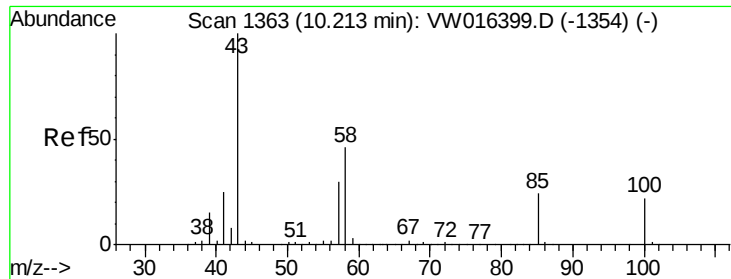
MMDadoda
8/31/2020 11:59:48 AM



#50
Toluene-d8
Concen: 50.613 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	98	Resp	353942
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 255.454 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 240283

Ion Ratio Lower Upper

43 100

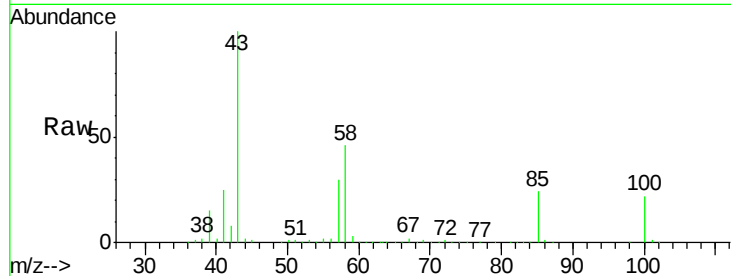
58 44.2 35.4 53.0

Manual Integrations

APPROVED

MMDadoda

8/31/2020 11:59:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

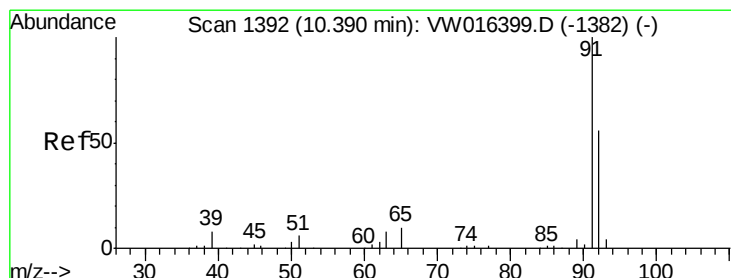
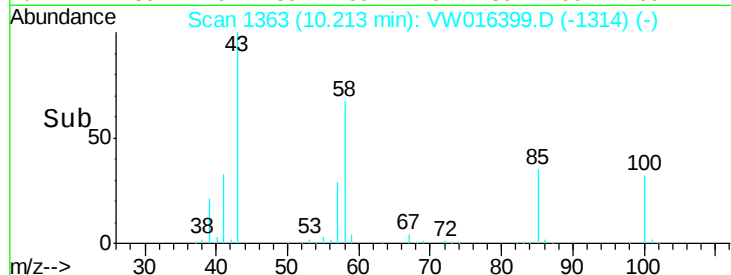
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 48.155 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016399.D

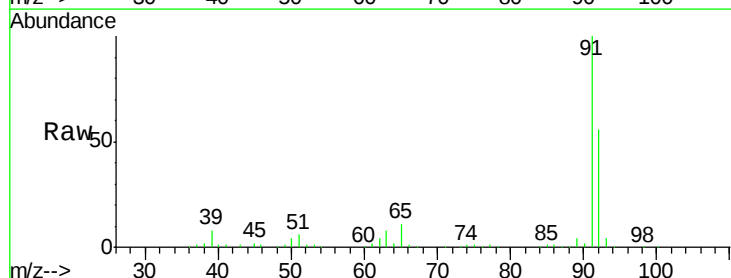
Acq: 28 Aug 2020 13:44

Tgt Ion: 92 Resp: 251954

Ion Ratio Lower Upper

92 100

91 171.4 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

300000

250000

200000

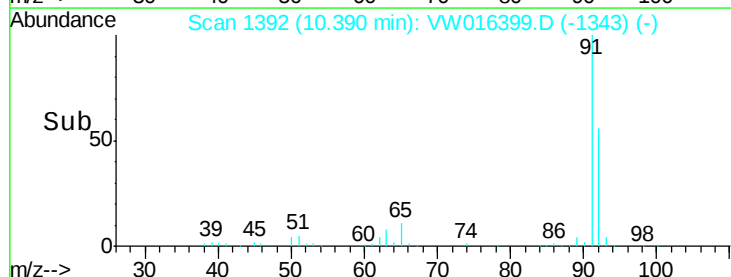
150000

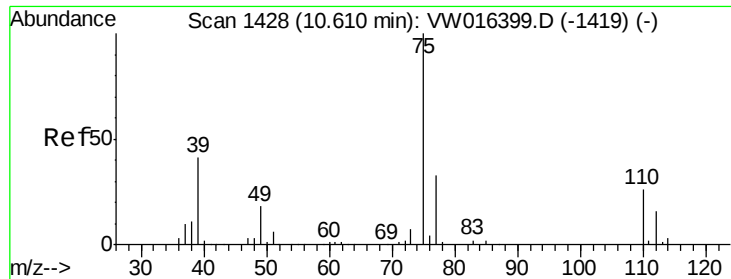
100000

50000

0

Time--> 10.30 10.40





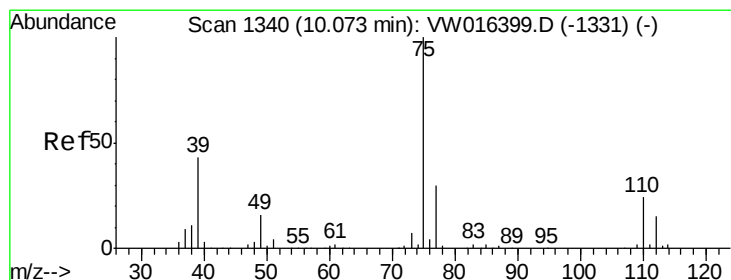
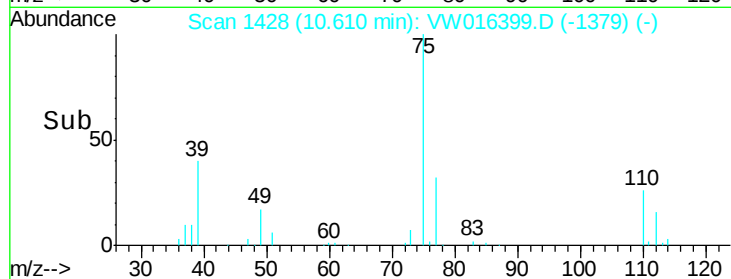
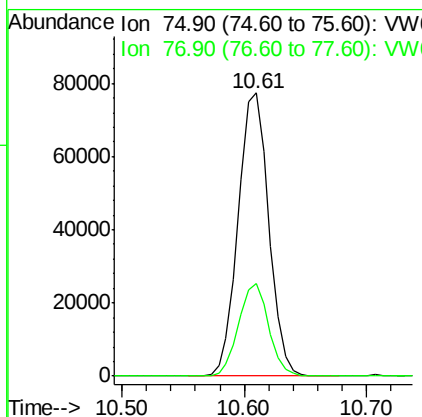
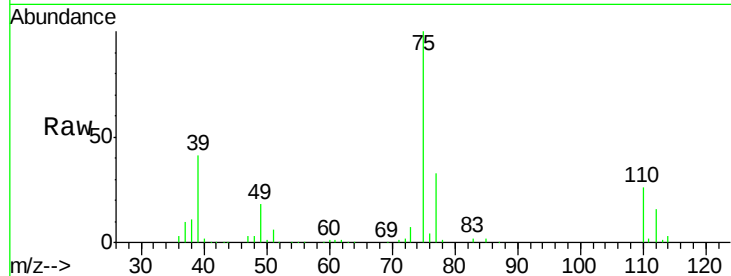
#53
 t-1,3-Dichloropropene
 Concen: 54.670 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.1	39.1

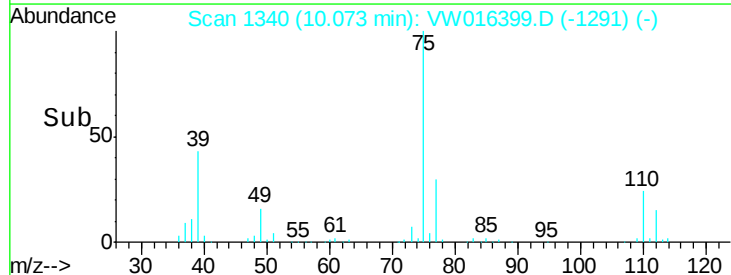
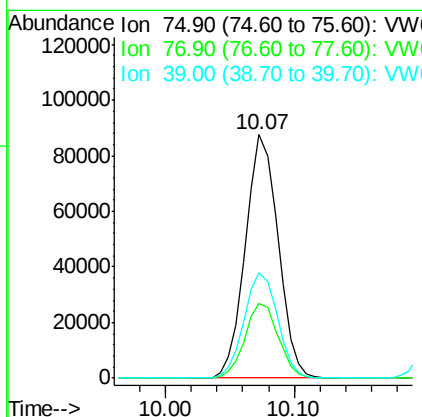
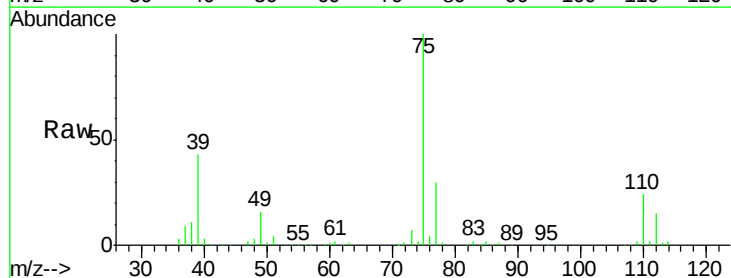
Manual Integrations
 APPROVED

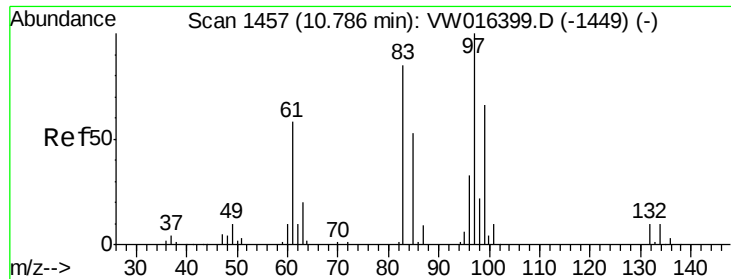
MMDadoda
 8/31/2020 11:59:48 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.854 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.4	36.6
39	43.2	34.6	51.8





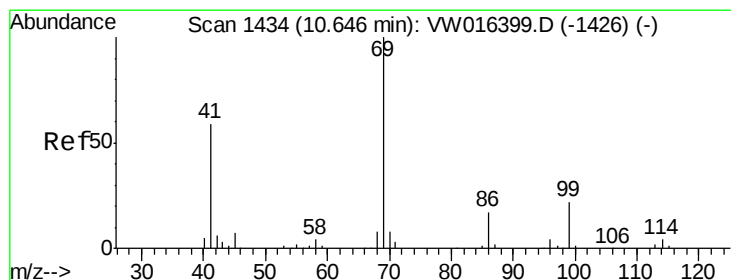
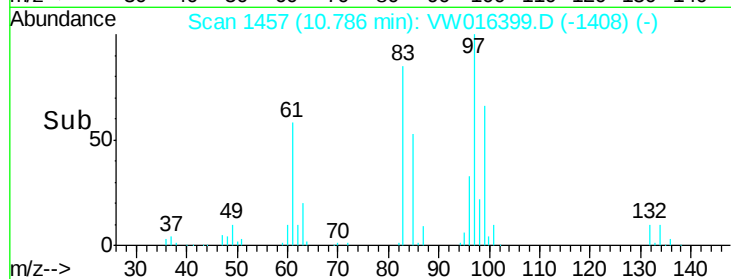
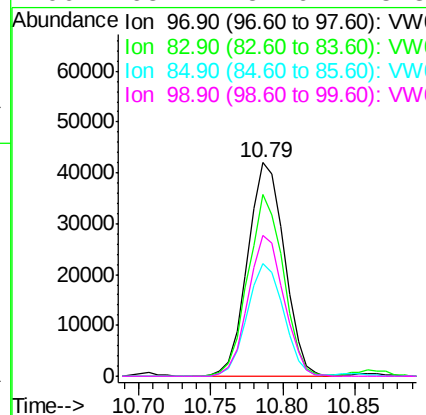
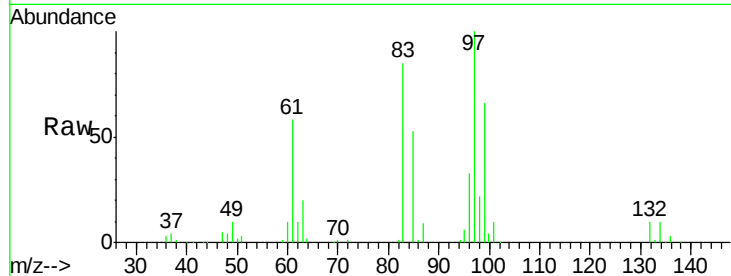
#55
 1,1,2-Trichloroethane
 Concen: 50.542 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	74086
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.0	102.0
85	52.7	42.2	63.2
99	65.7	52.6	78.8

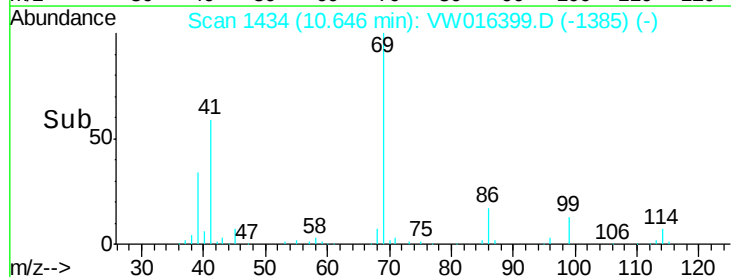
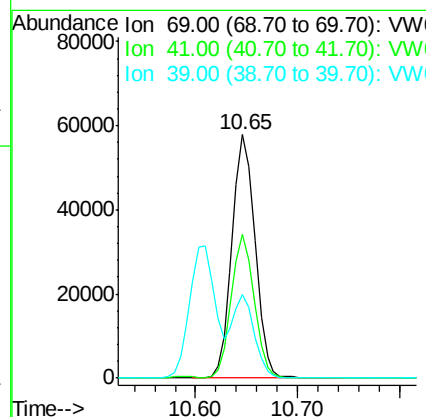
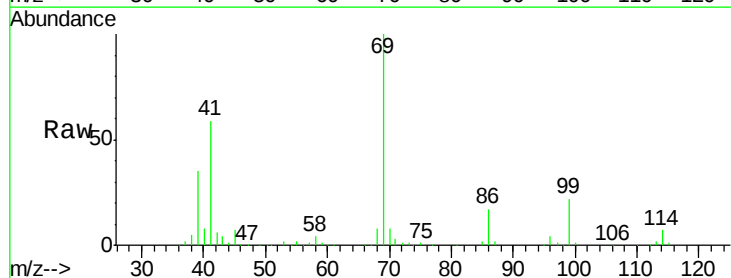
Manual Integrations
 APPROVED

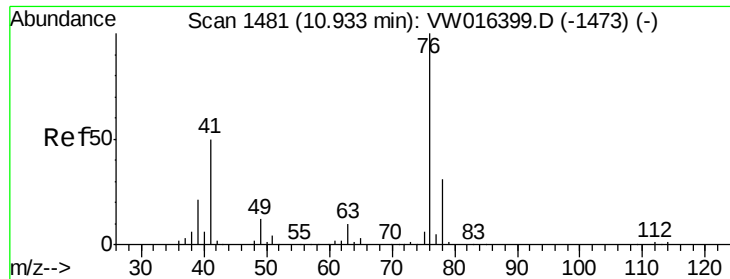
MMDadoda
 8/31/2020 11:59:48 AM



#56
 Ethyl methacrylate
 Concen: 54.976 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Tgt Ion:	69	Resp:	91147
Ion	Ratio	Lower	Upper
69	100		
41	58.1	46.5	69.7
39	32.7	26.2	39.2





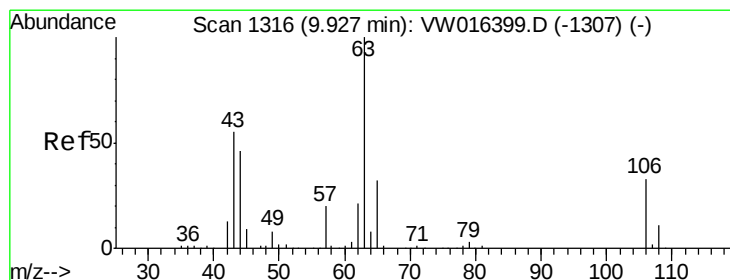
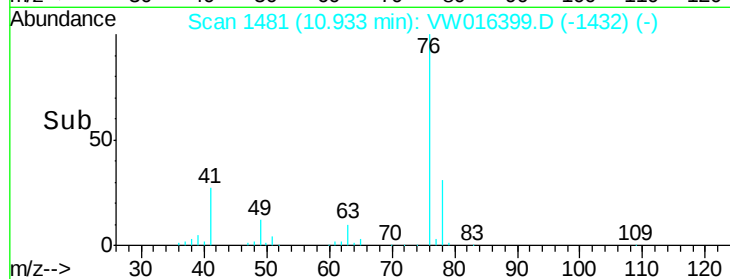
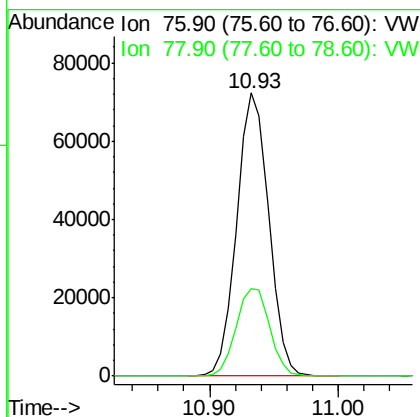
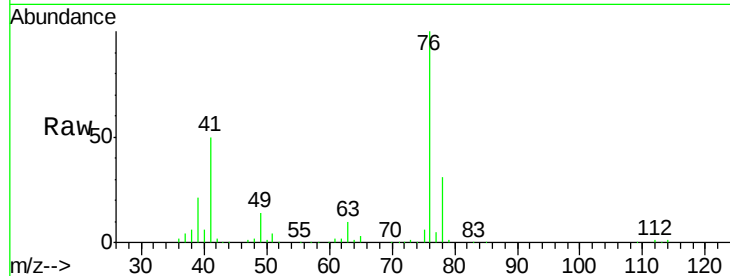
#57
 1,3-Dichloropropane
 Concen: 50.224 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

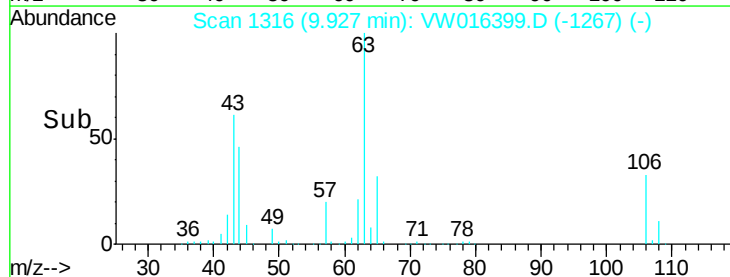
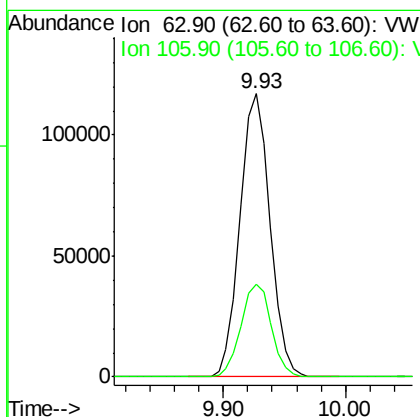
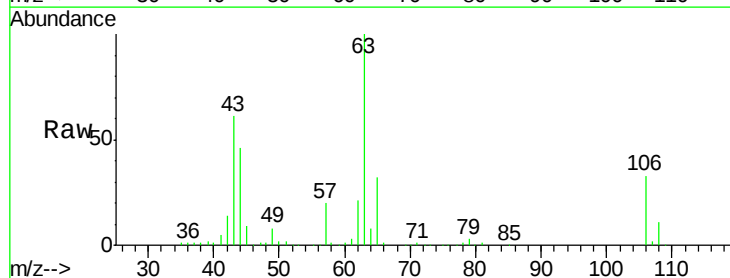
Manual Integrations
 APPROVED

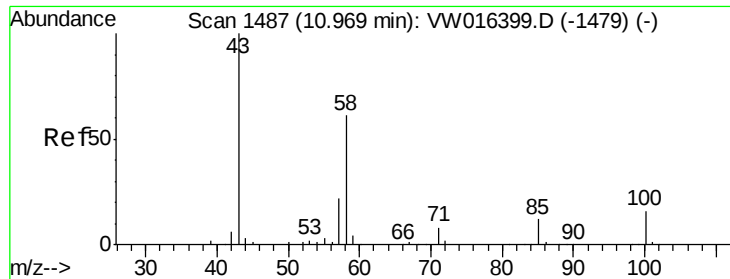
MMDadoda
 8/31/2020 11:59:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.182 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.3	26.6	40.0





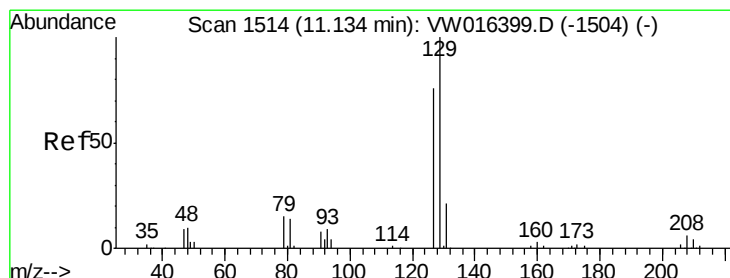
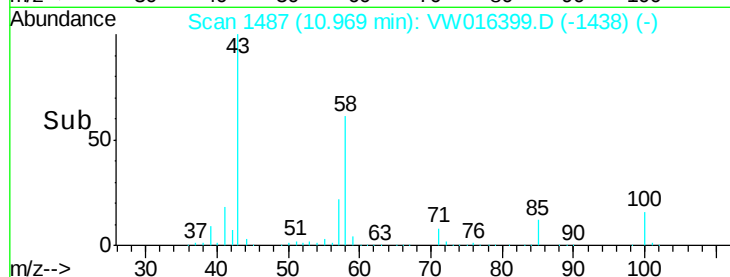
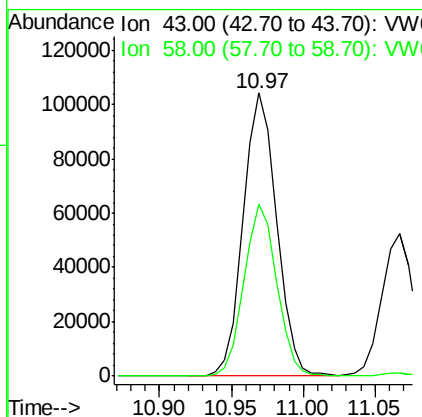
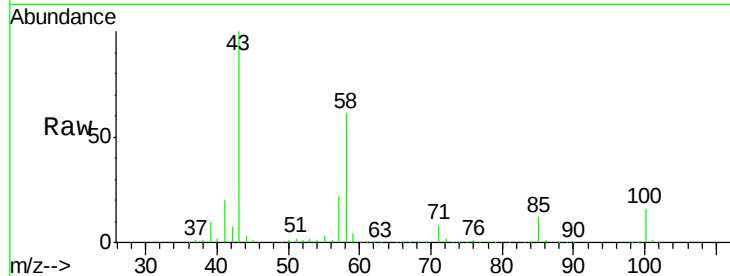
#59
2-Hexanone
Concen: 261.220 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 167464
Ion Ratio Lower Upper
43 100
58 59.4 29.7 89.1

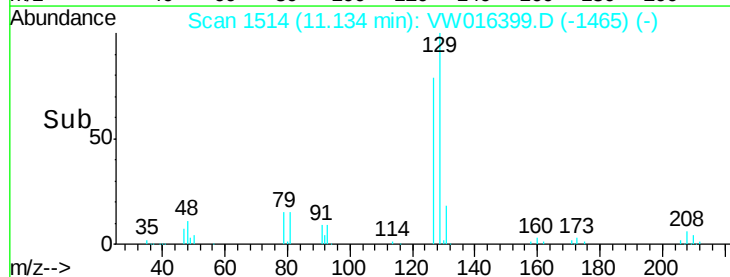
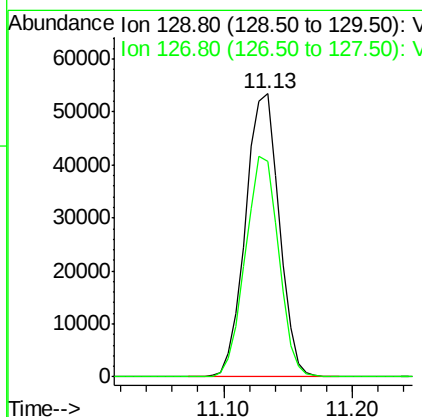
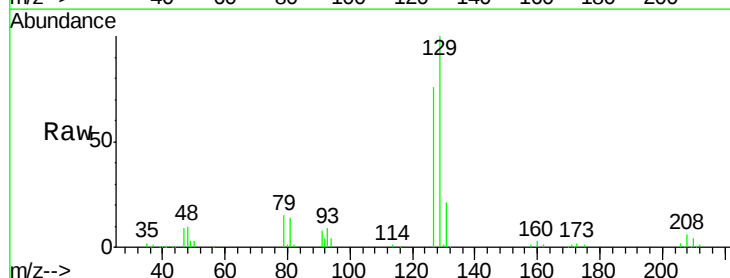
Manual Integrations
APPROVED

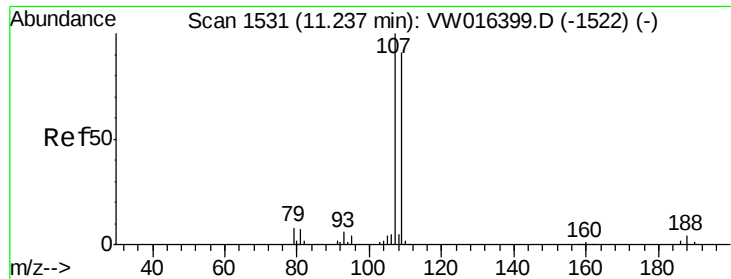
MMDadoda
8/31/2020 11:59:48 AM



#60
Dibromochloromethane
Concen: 54.584 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion: 129 Resp: 96335
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





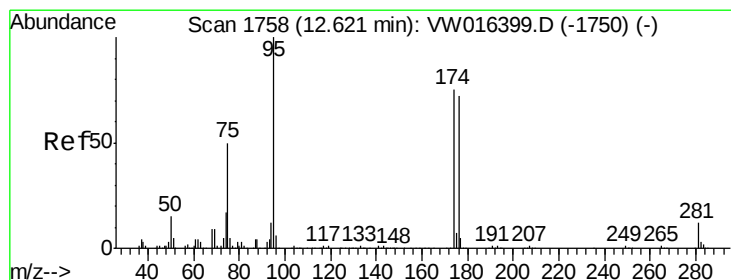
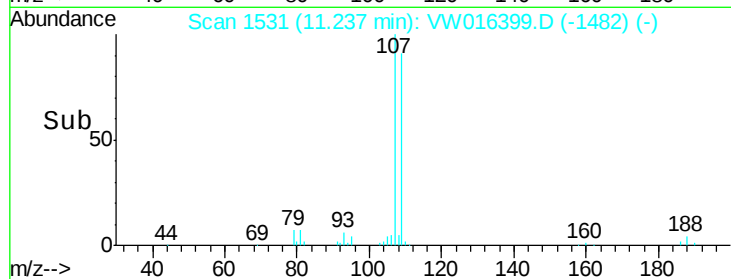
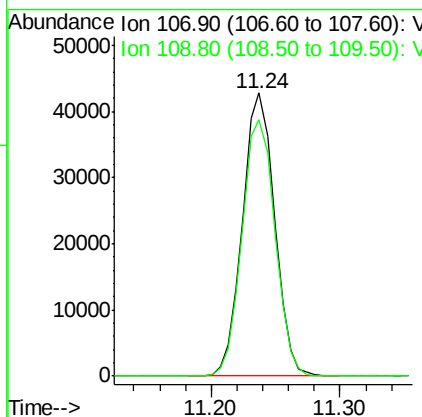
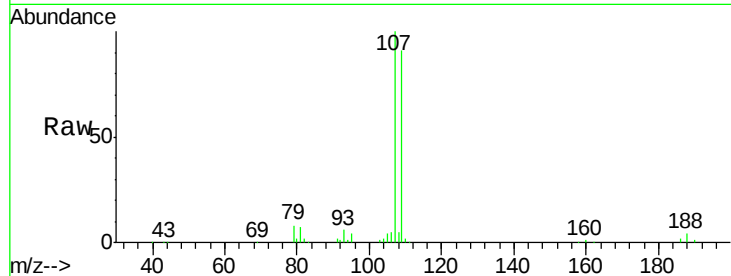
#61
 1,2-Dibromoethane
 Concen: 52.249 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.5	111.7

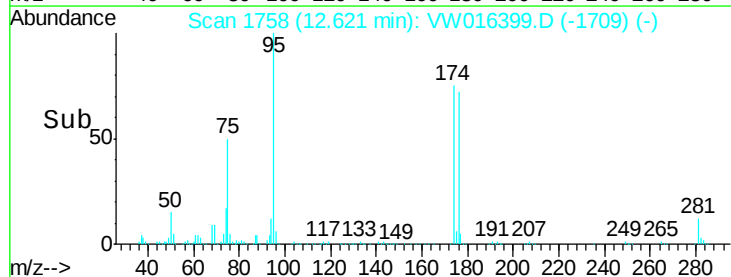
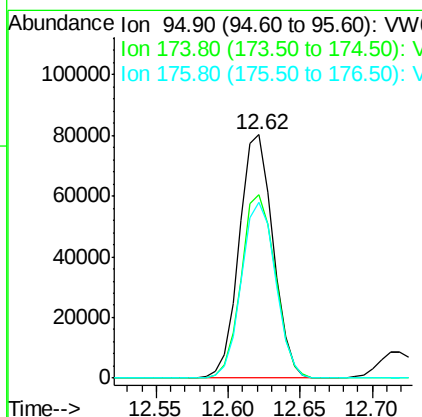
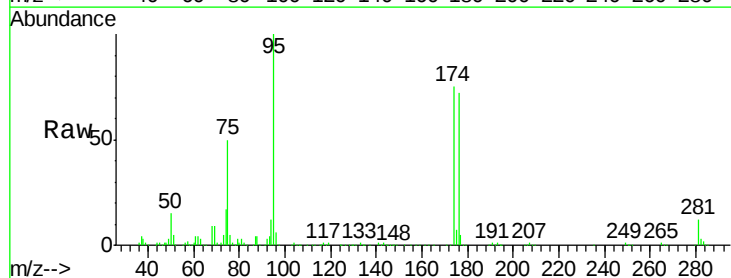
Manual Integrations
 APPROVED

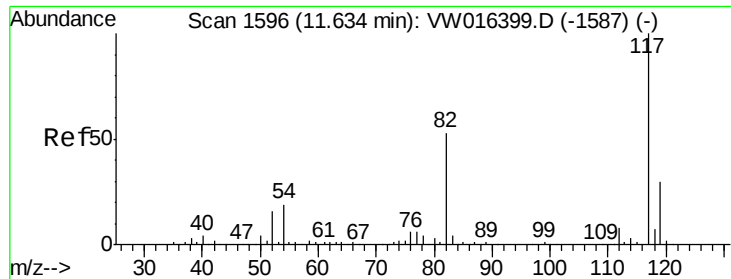
MMDadoda
 8/31/2020 11:59:48 AM



#62
 4-Bromofluorobenzene
 Concen: 52.135 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	152.0
176	72.8	0.0	145.6





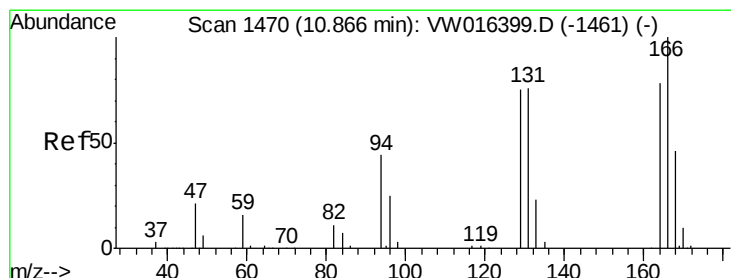
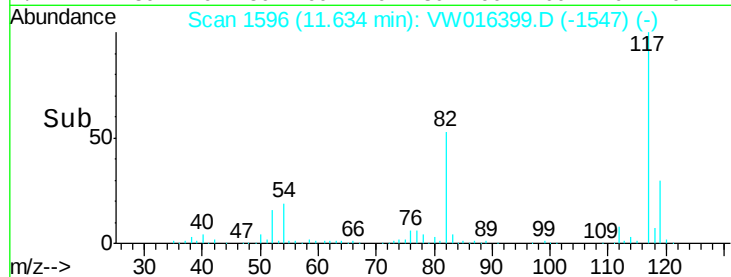
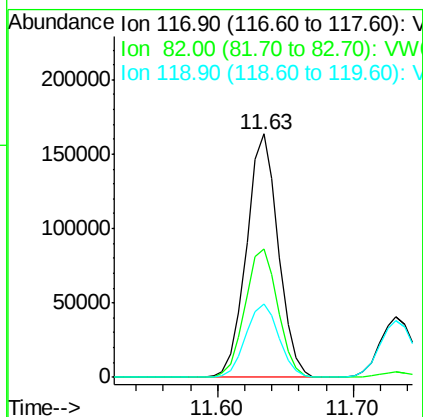
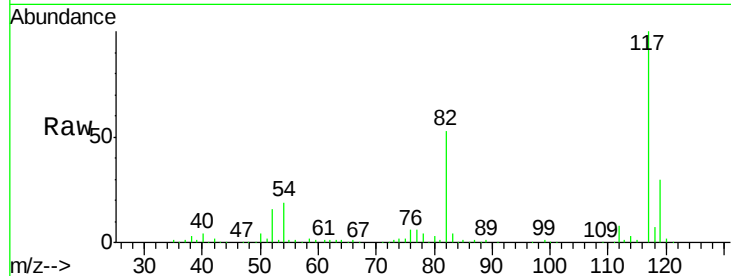
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	30.3	24.2	36.4

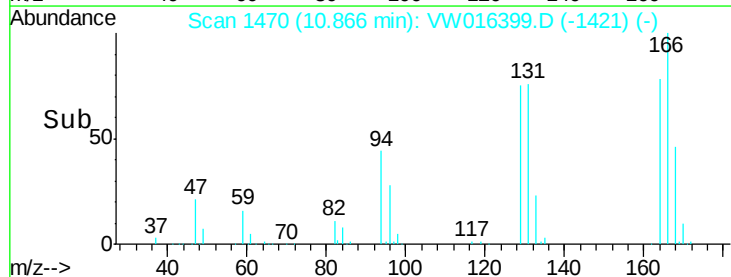
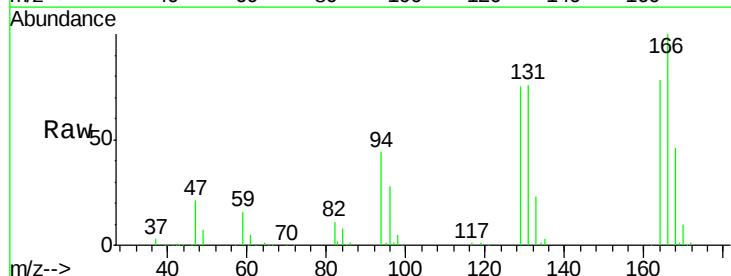
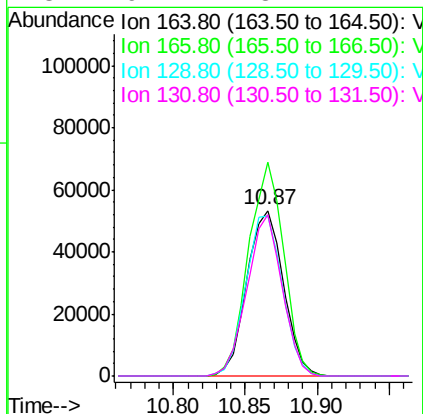
Manual Integrations
APPROVED

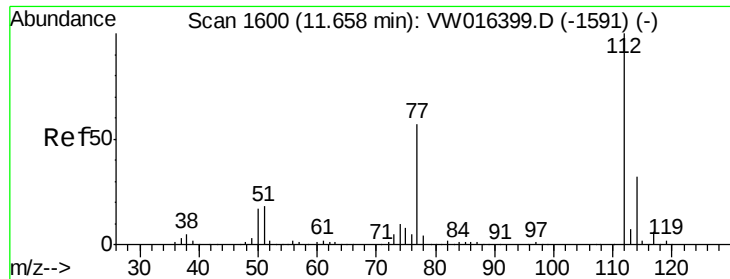
MMDadoda
8/31/2020 11:59:48 AM



#64
Tetrachloroethene
Concen: 52.191 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.1	154.7
129	96.6	77.3	115.9
131	97.7	78.2	117.2





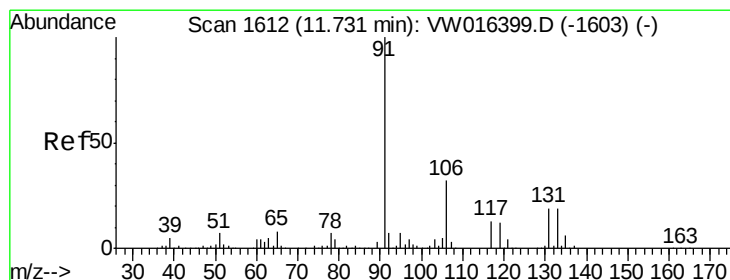
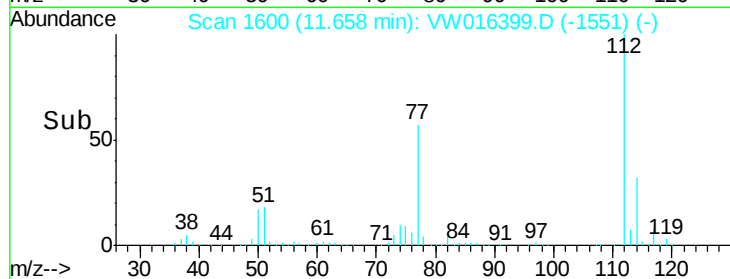
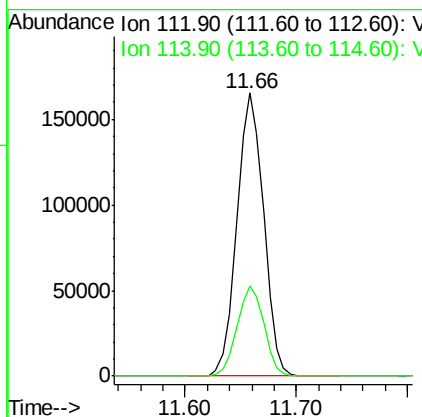
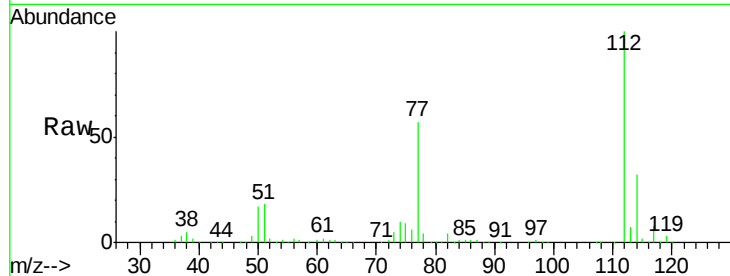
#65
Chlorobenzene
Concen: 49.325 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 274103
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

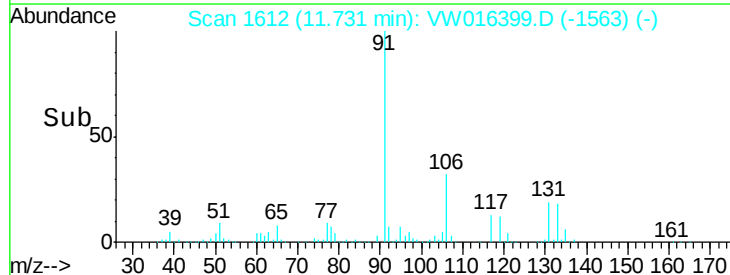
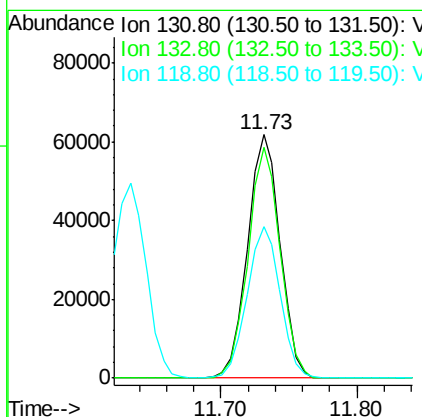
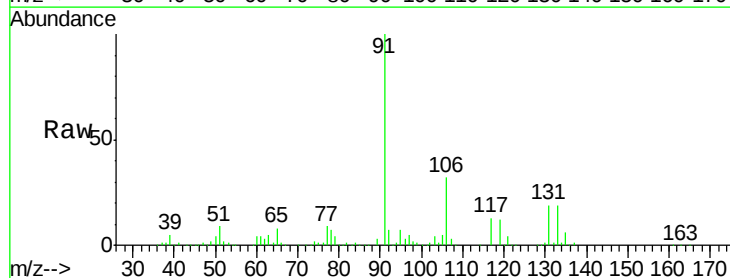
Manual Integrations
APPROVED

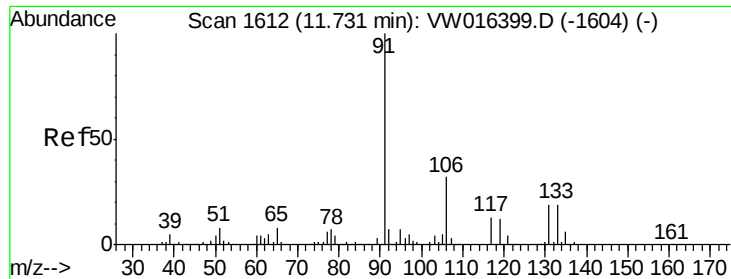
MMDadoda
8/31/2020 11:59:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.922 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion:131 Resp: 103613
Ion Ratio Lower Upper
131 100
133 93.7 46.9 140.6
119 63.3 31.6 95.0





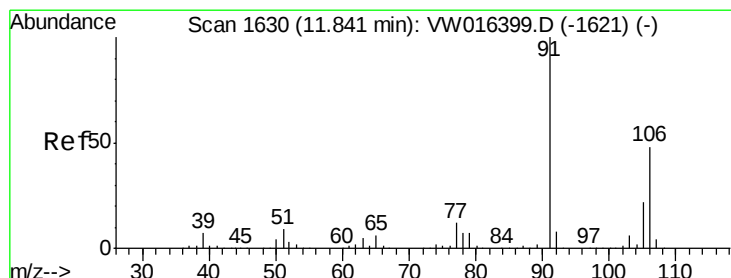
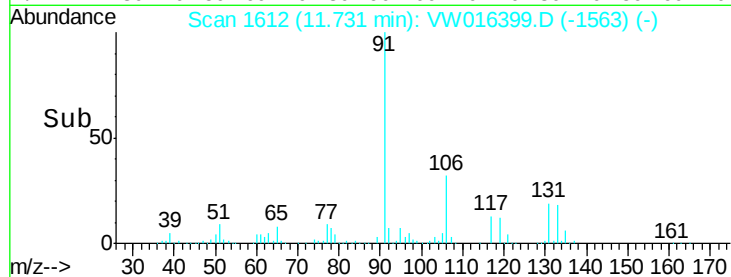
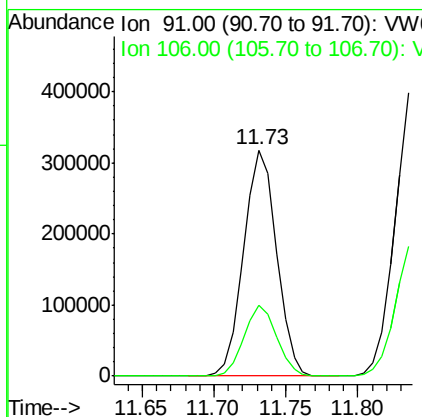
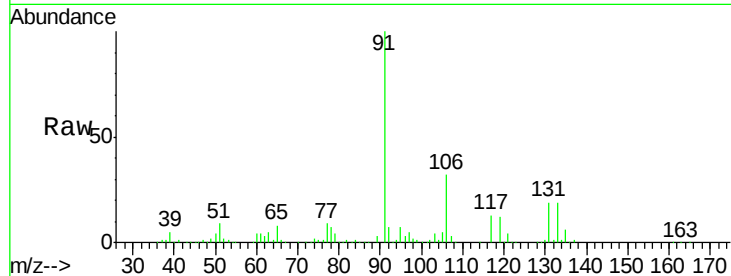
#67
Ethyl Benzene
Concen: 50.473 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 501796
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

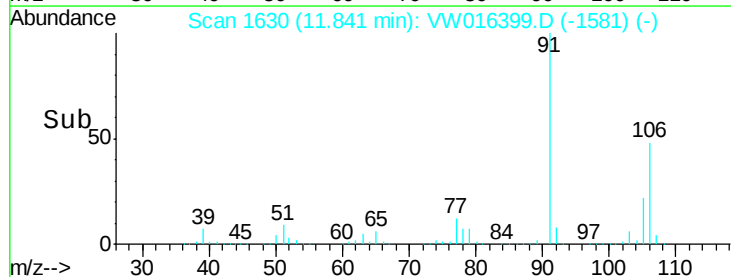
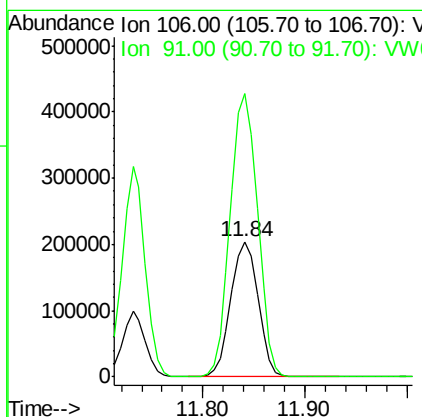
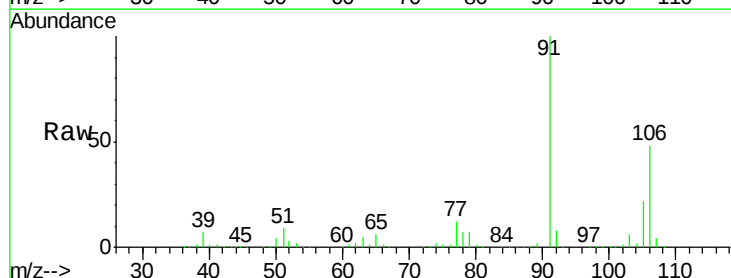
Manual Integrations
APPROVED

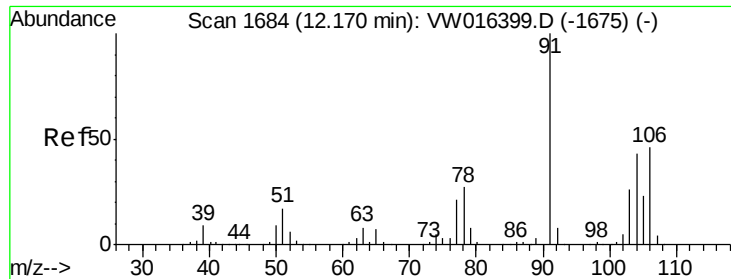
MMDadoda
8/31/2020 11:59:48 AM



#68
m/p-Xylenes
Concen: 99.381 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion: 106 Resp: 379532
Ion Ratio Lower Upper
106 100
91 209.6 167.7 251.5





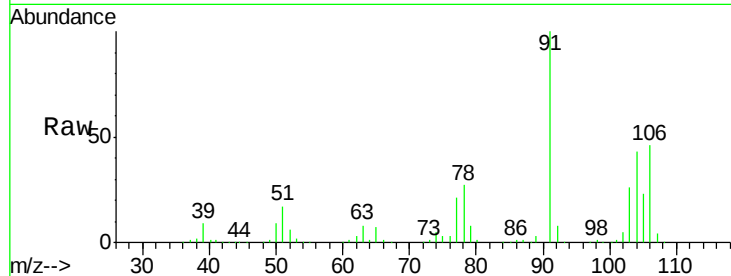
#69
o-Xylene
Concen: 51.167 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

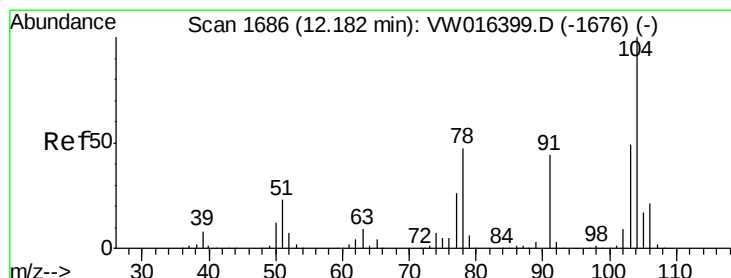
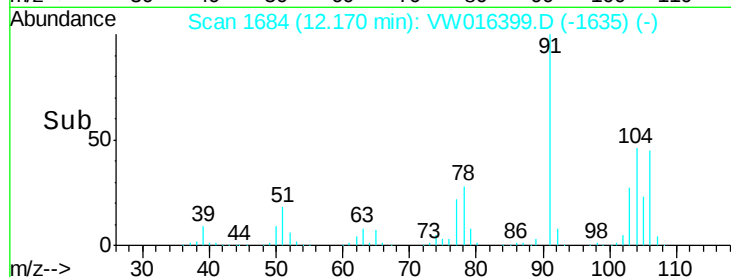
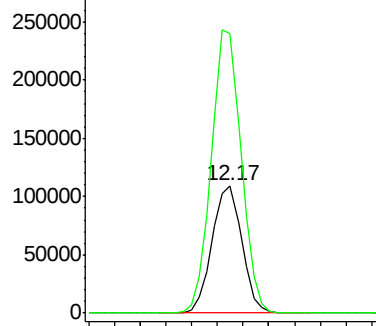
Tot Ion:106 Resp: 174140
Ion Ratio Lower Upper
106 100
91 223.3 111.7 334.9

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM

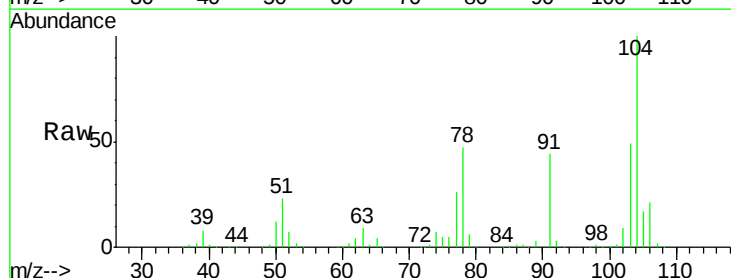


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

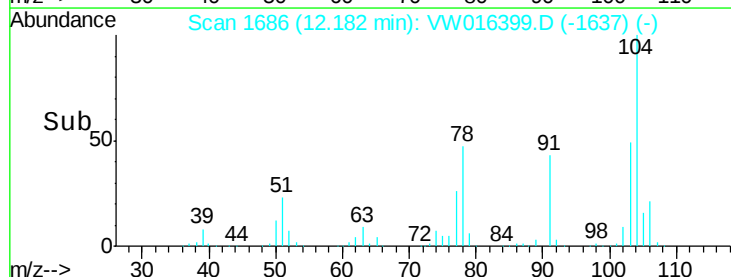
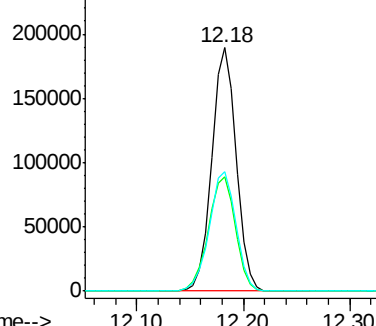


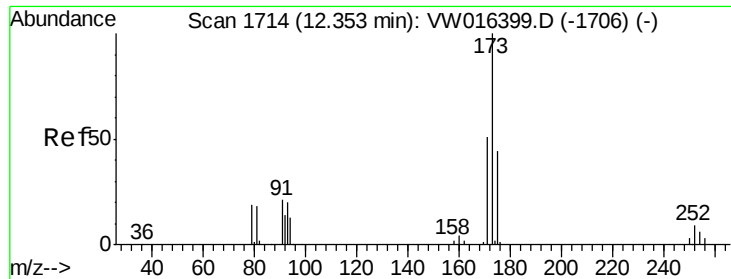
#70
Styrene
Concen: 51.767 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion:104 Resp: 305040
Ion Ratio Lower Upper
104 100
78 52.1 41.7 62.5
103 53.6 42.9 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 60.032 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 53502

Ion Ratio Lower Upper

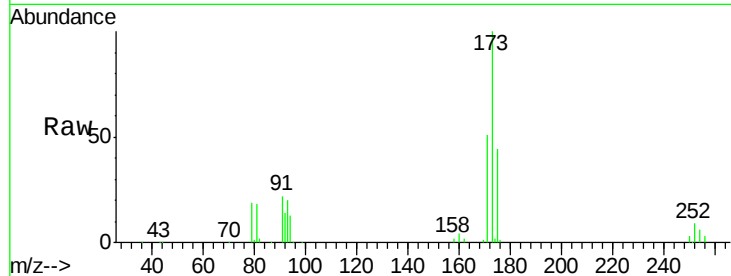
173 100

175 47.1 23.5 70.6

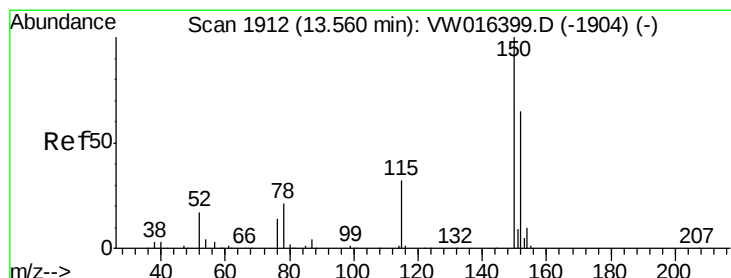
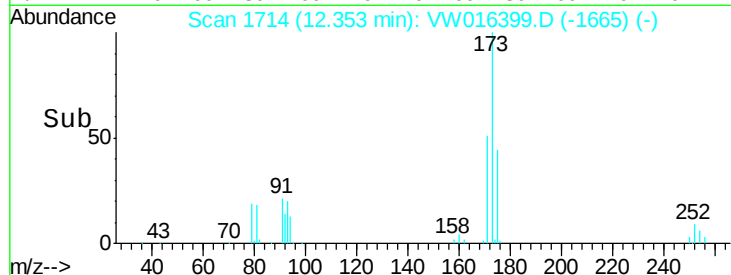
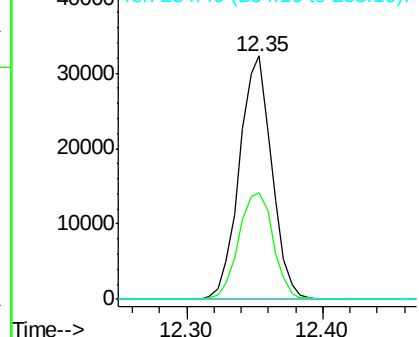
254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

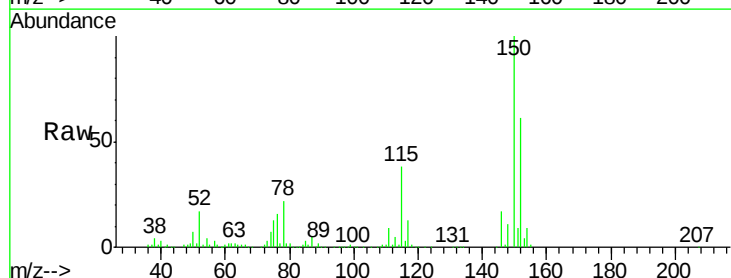
Tgt Ion:152 Resp: 132579

Ion Ratio Lower Upper

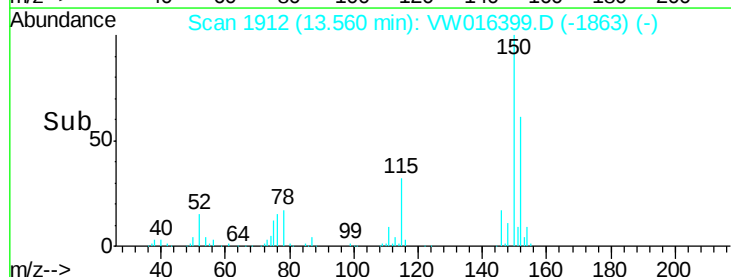
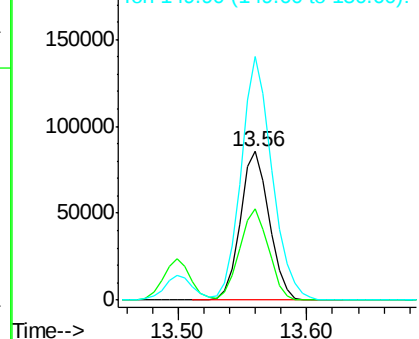
152 100

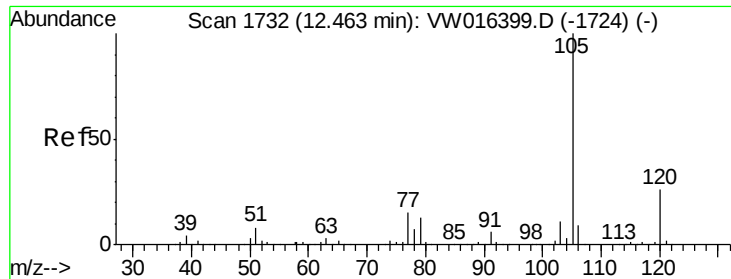
115 61.7 30.9 92.5

150 175.5 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.634 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 501849

Ion Ratio Lower Upper

105 100

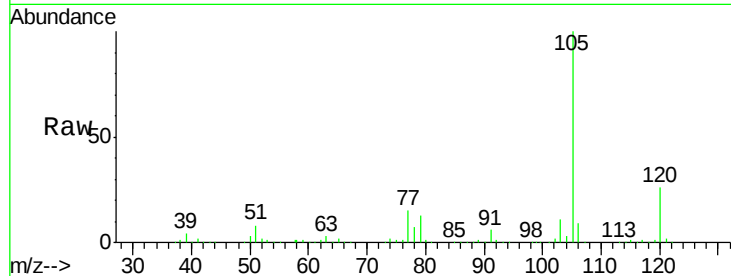
120 26.4 13.2 39.6

Manual Integrations

APPROVED

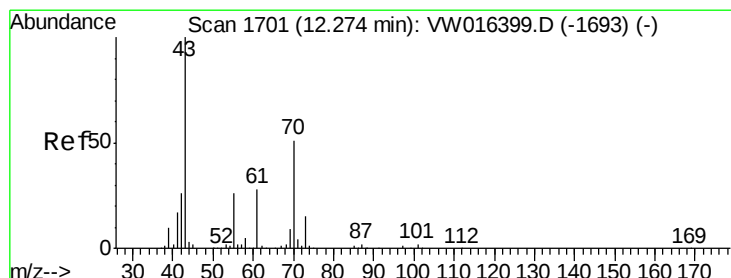
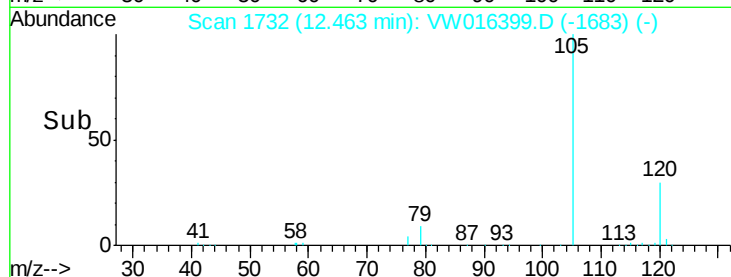
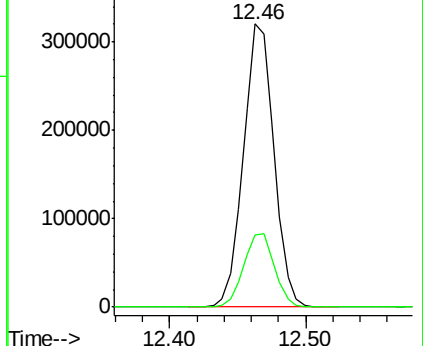
MMDadoda

8/31/2020 11:59:48 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.161 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Tgt Ion: 43 Resp: 89587

Ion Ratio Lower Upper

43 100

70 51.0 40.8 61.2

55 27.0 21.6 32.4

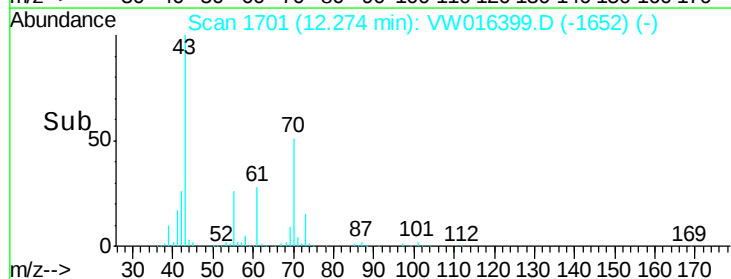
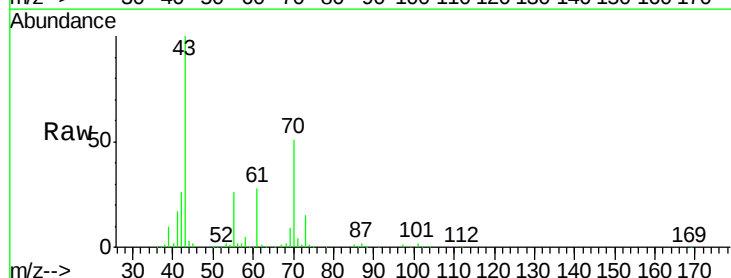
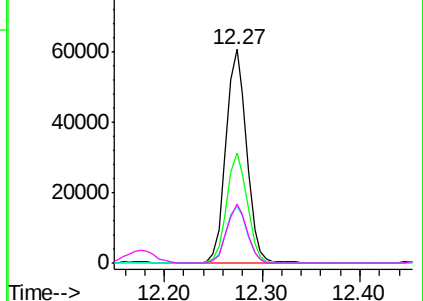
61 26.9 21.5 32.3

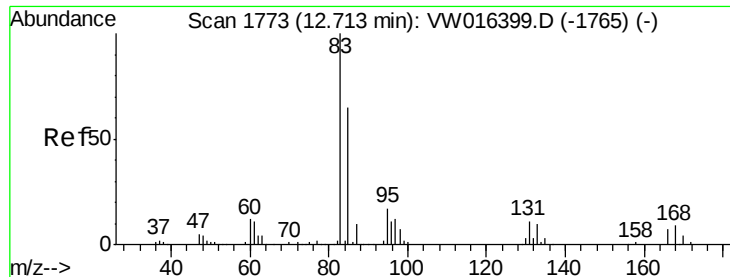
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 48.798 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

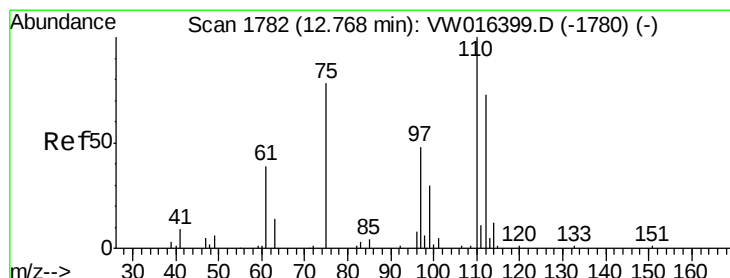
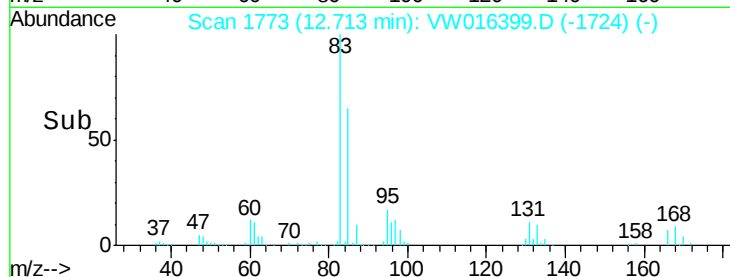
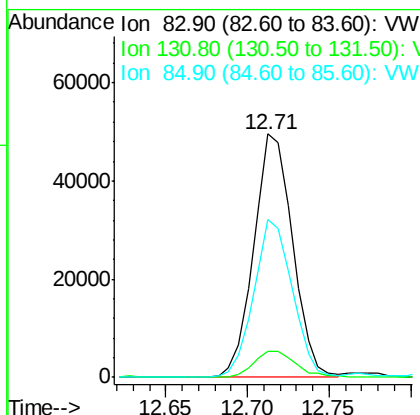
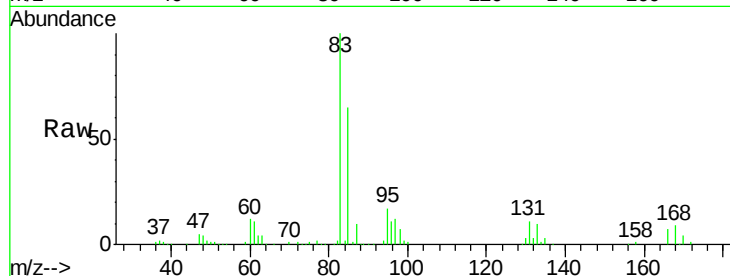
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	81741
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.9	17.8
85	64.5	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM



#76

1,2,3-Trichloropropane

Concen: 49.439 ug/l m

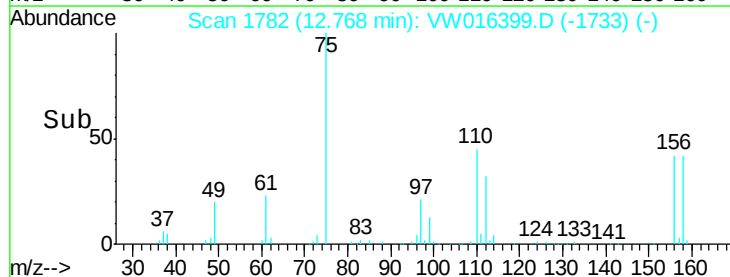
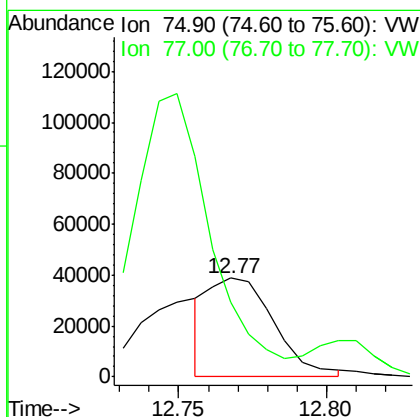
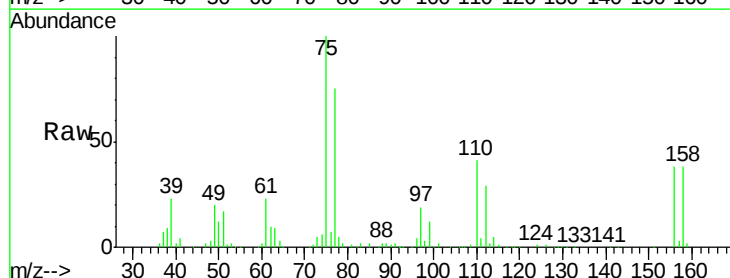
RT: 12.77 min Scan# 1782

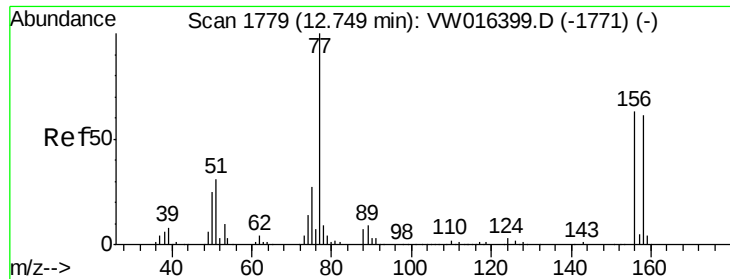
Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Tgt Ion:	75	Resp:	59909
Ion Ratio	Lower	Upper	
75	100		
77	341.6	173.4	520.2





#77

Bromobenzene

Concen: 50.398 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 113790

Ion Ratio Lower Upper

156 100

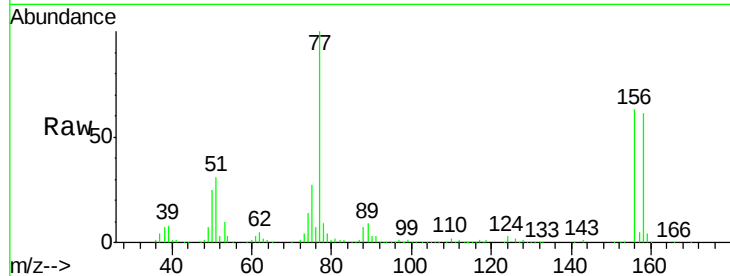
77 179.9 90.0 269.9

158 94.5 47.3 141.8

Manual Integrations
APPROVED

MMDadoda

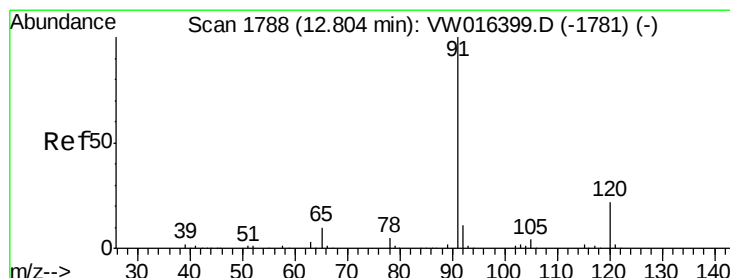
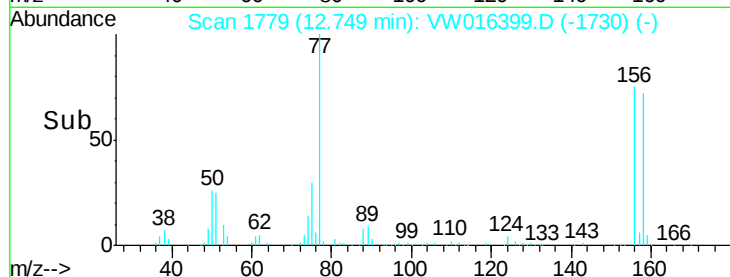
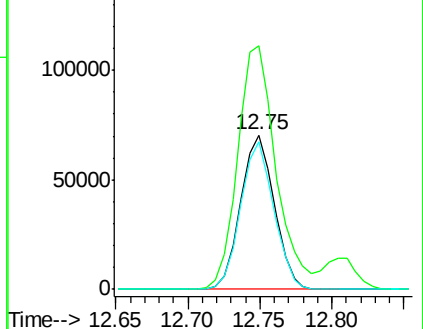
8/31/2020 11:59:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.425 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016399.D

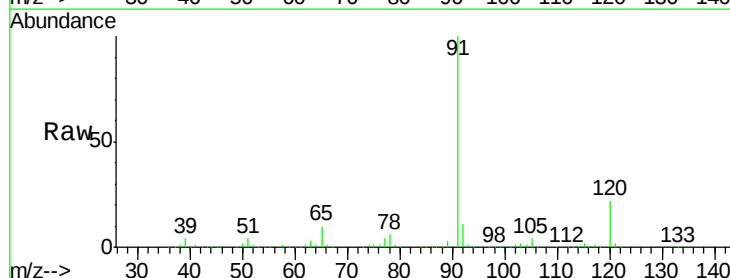
Acq: 28 Aug 2020 13:44

Tgt Ion: 91 Resp: 582244

Ion Ratio Lower Upper

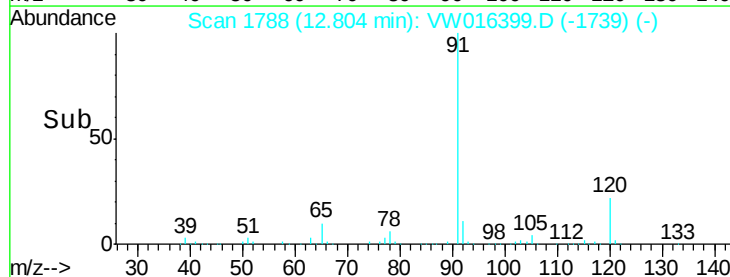
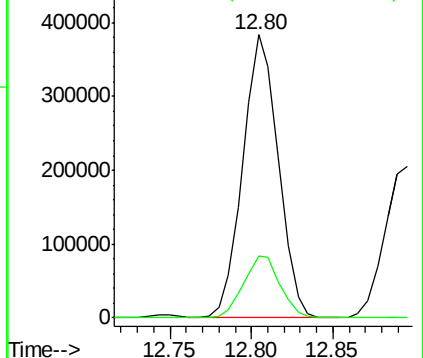
91 100

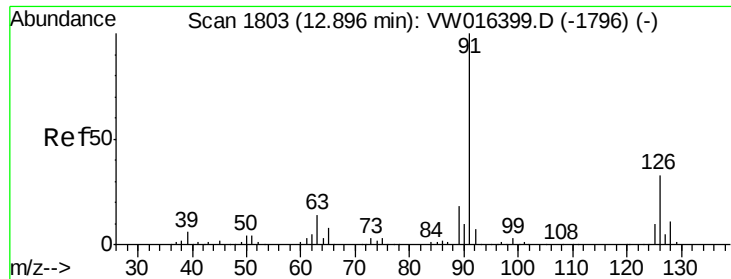
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





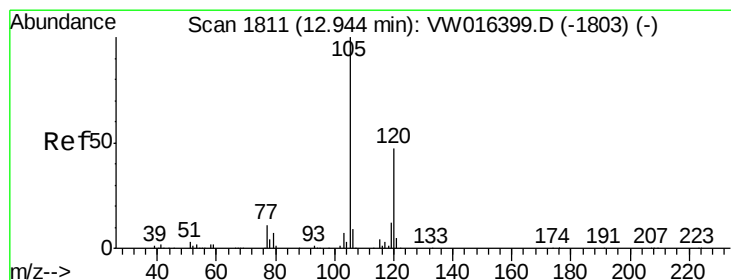
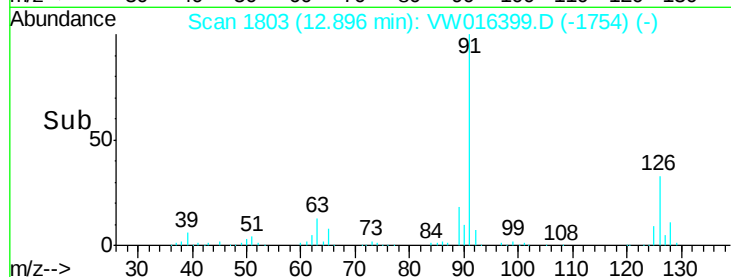
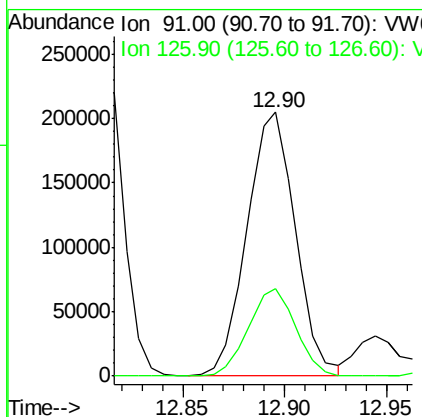
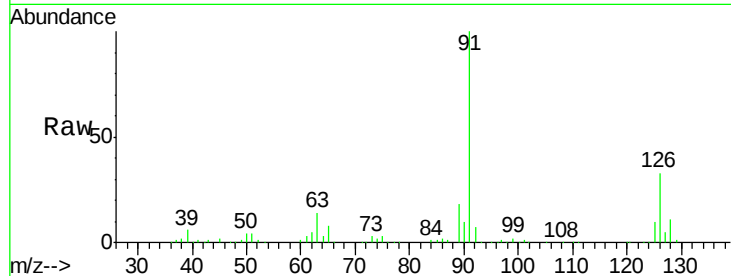
#79
2-Chlorotoluene
Concen: 48.503 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 337729
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.1

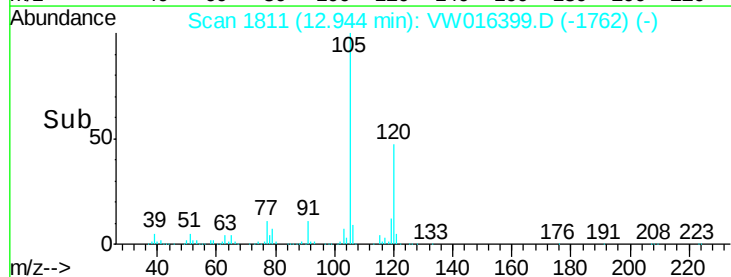
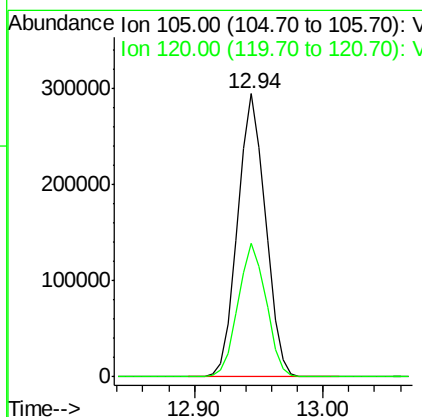
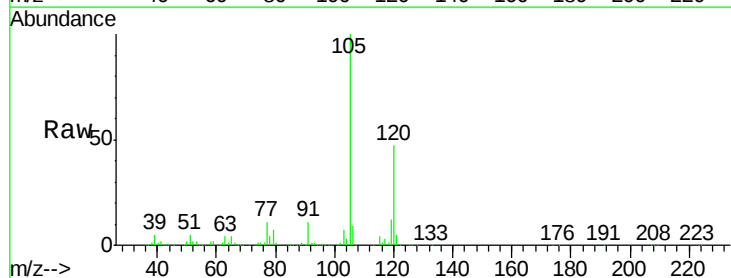
Manual Integrations
APPROVED

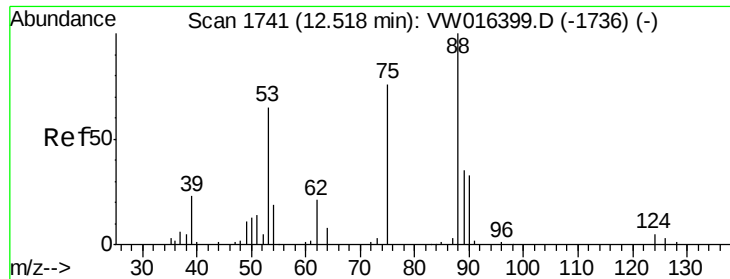
MMDadoda
8/31/2020 11:59:48 AM



#80
1,3,5-Trimethylbenzene
Concen: 50.611 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion: 105 Resp: 441244
Ion Ratio Lower Upper
105 100
120 47.5 23.8 71.2





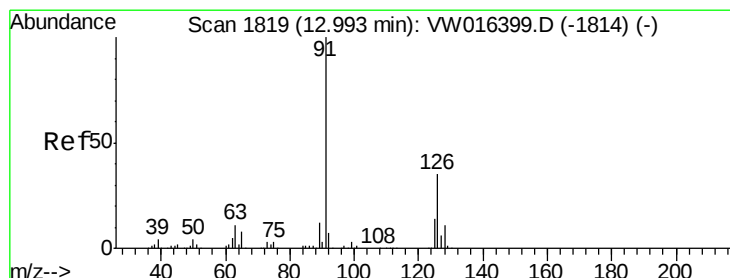
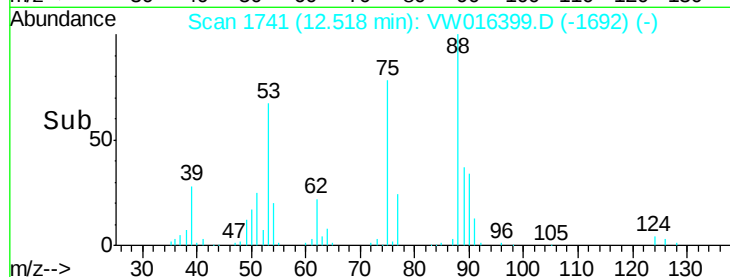
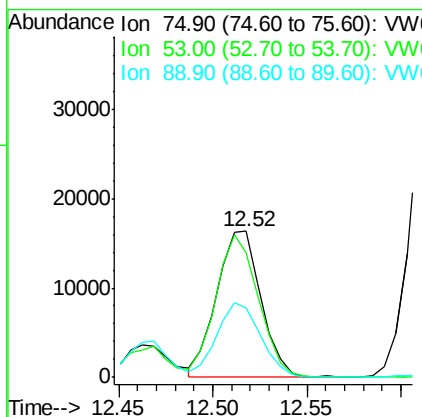
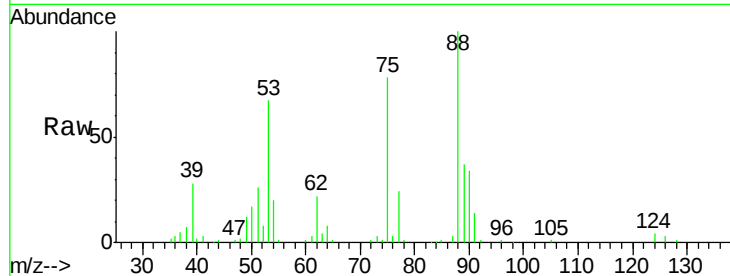
#81
trans-1,4-Dichloro-2-butene
Concen: 52.655 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.0	75.2	112.8
89	50.5	40.4	60.6

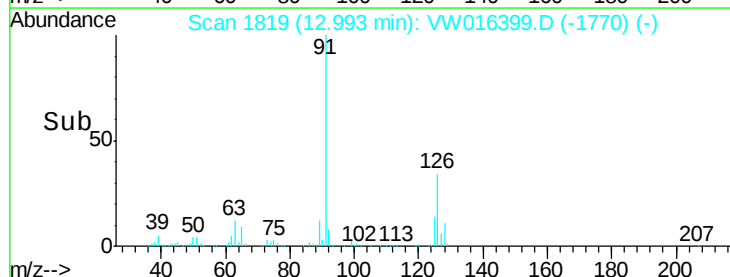
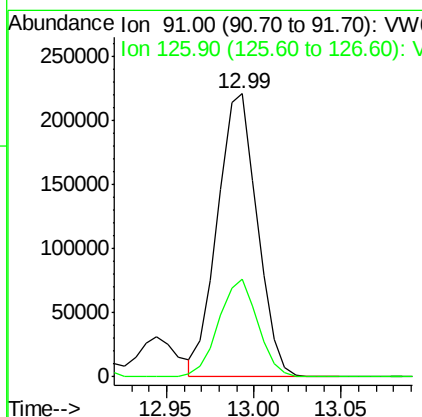
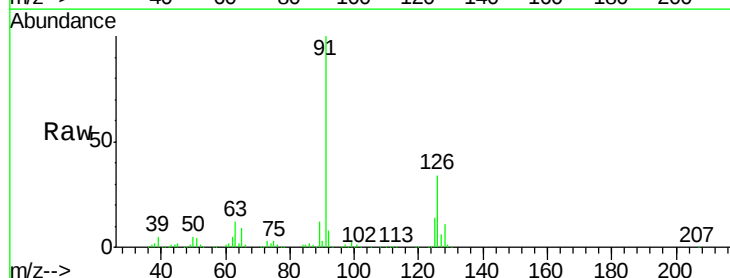
Manual Integrations
APPROVED

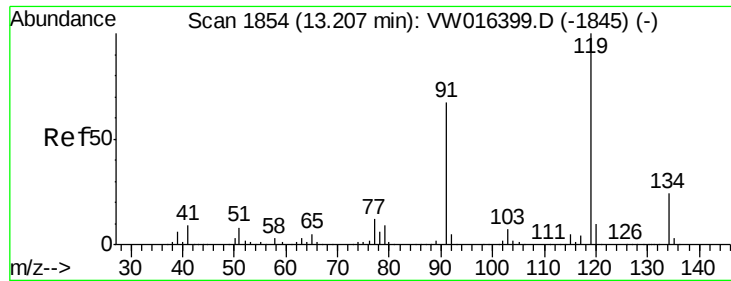
MMDadoda
8/31/2020 11:59:48 AM



#82
4-Chlorotoluene
Concen: 48.283 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9





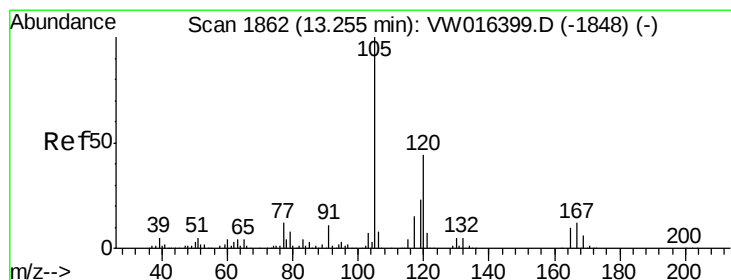
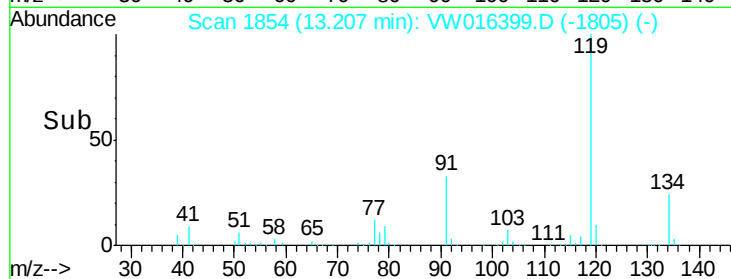
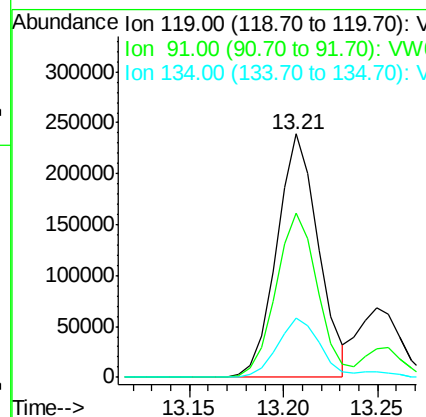
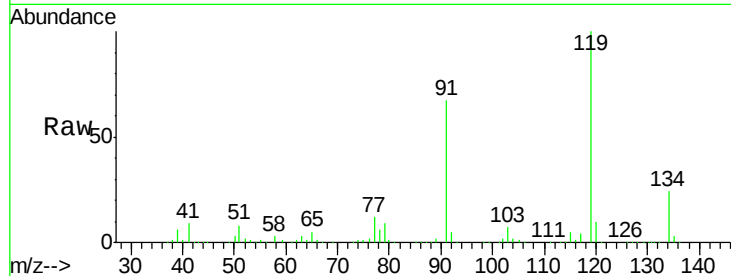
#83
tert-Butylbenzene
Concen: 51.249 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	24.5	12.3	36.8

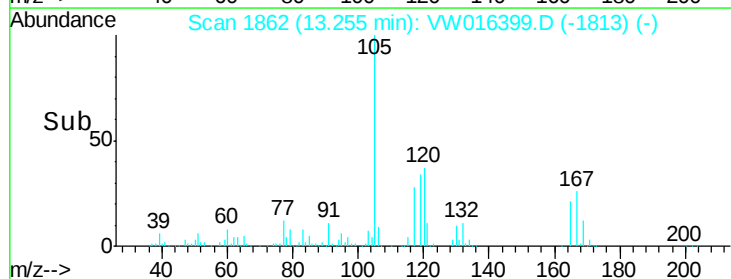
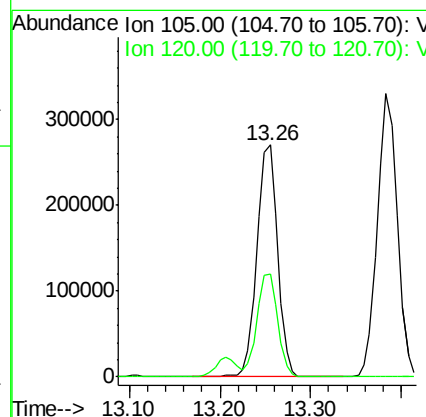
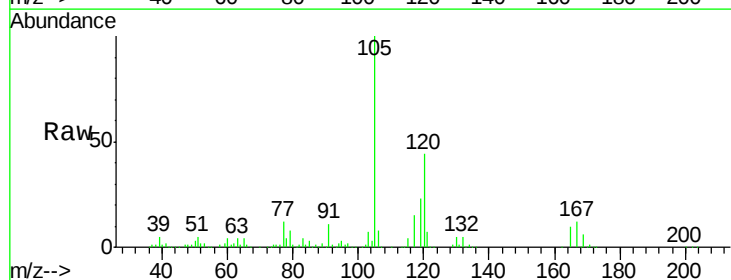
Manual Integrations
APPROVED

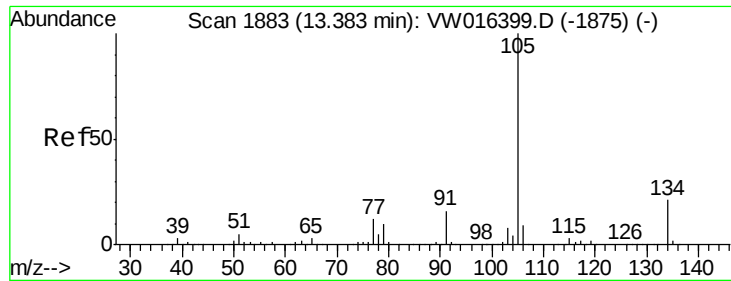
MMDadoda
8/31/2020 11:59:48 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.114 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





#85

sec-Butylbenzene

Concen: 48.892 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 503706

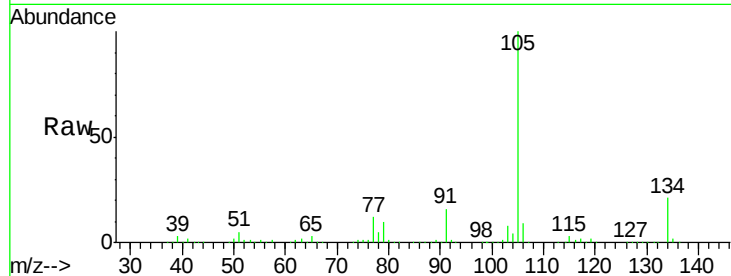
Ion Ratio Lower Upper

105 100

134 20.0 10.0 30.0

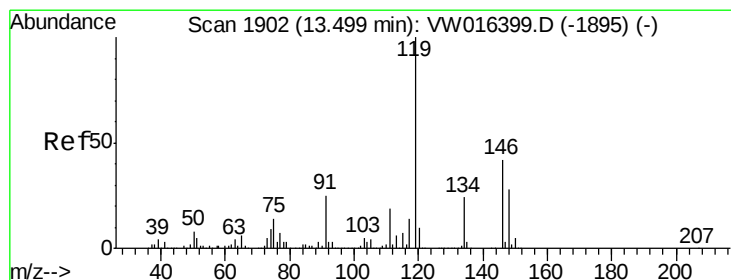
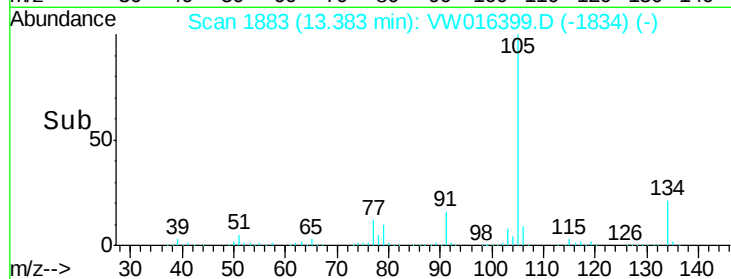
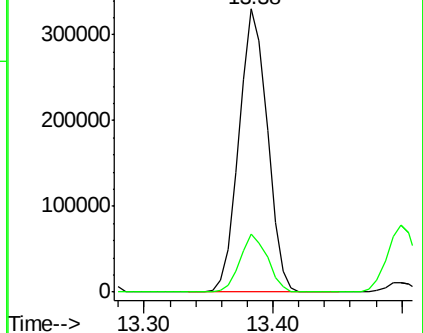
Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.159 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016399.D

Acq: 28 Aug 2020 13:44

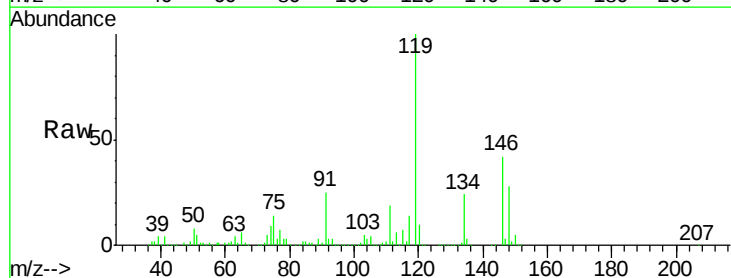
Tgt Ion:119 Resp: 480235

Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.6

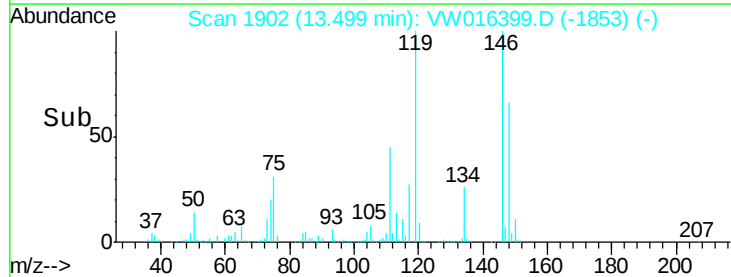
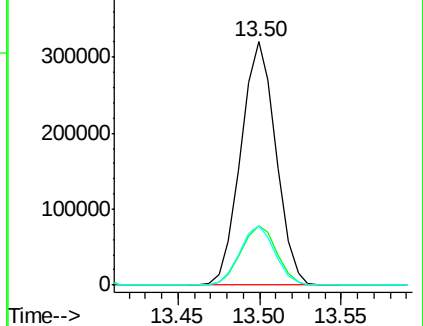
91 24.3 12.2 36.4

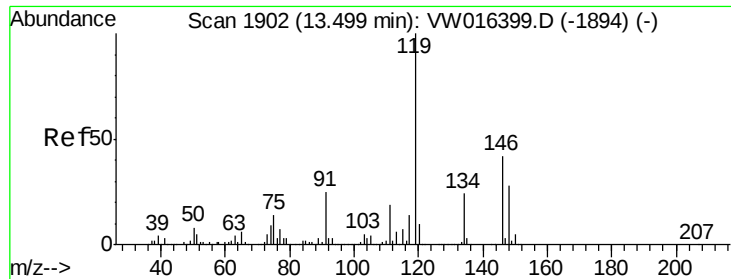


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





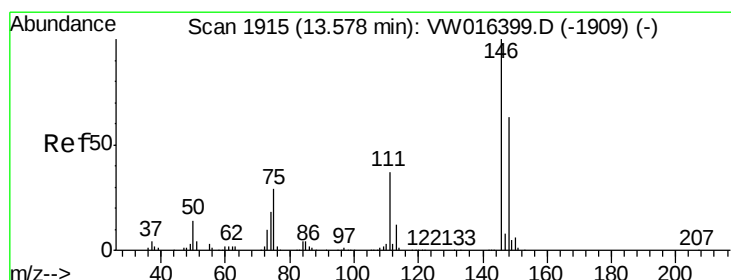
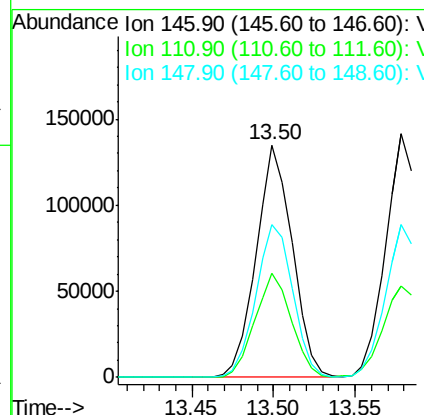
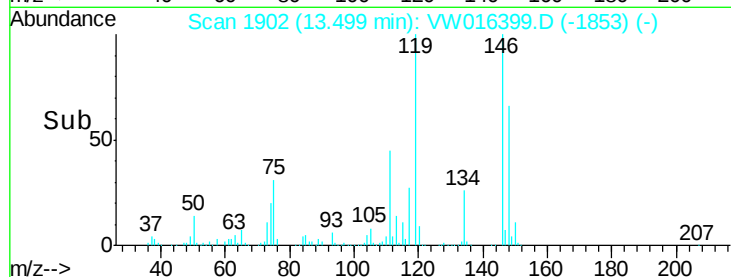
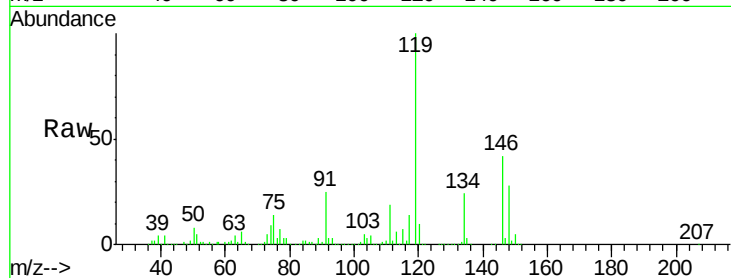
#87
 1,3-Dichlorobenzene
 Concen: 46.919 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.6	67.8
148	67.2	33.6	100.8

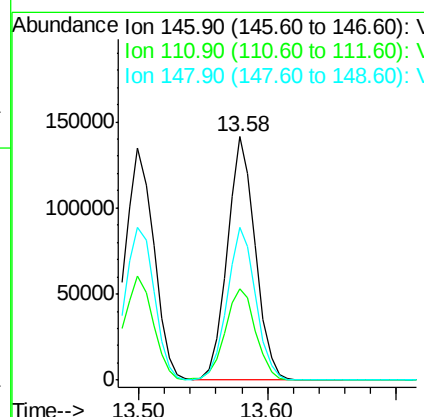
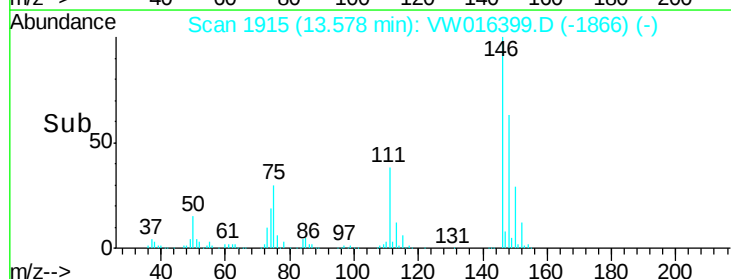
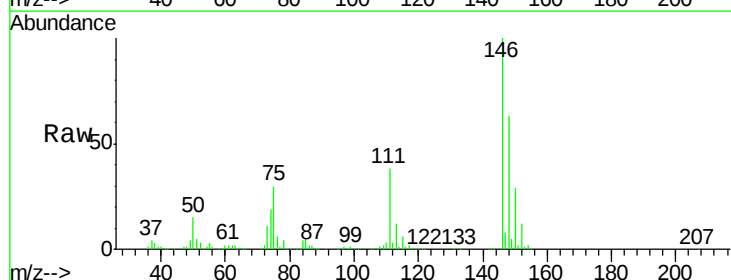
Manual Integrations
 APPROVED

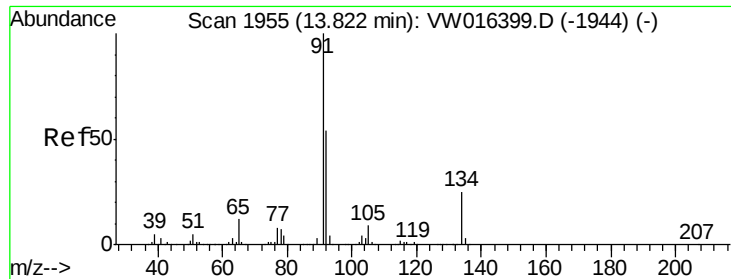
MMDadoda
 8/31/2020 11:59:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.723 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	64.1	32.0	96.2





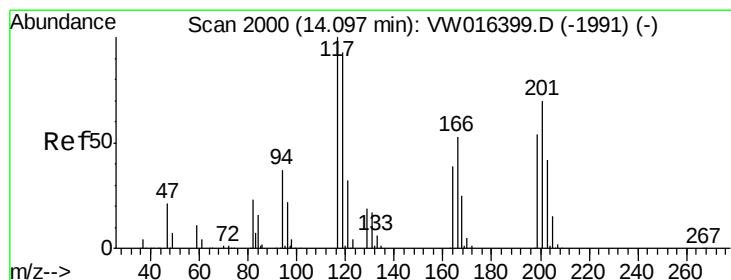
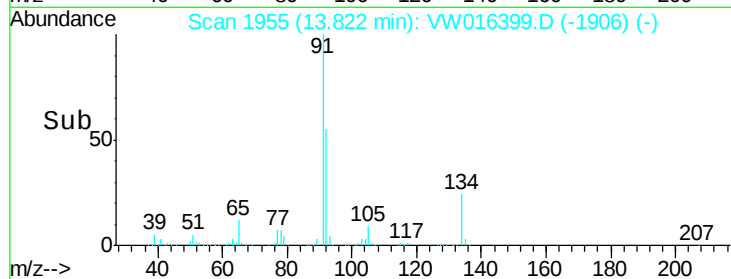
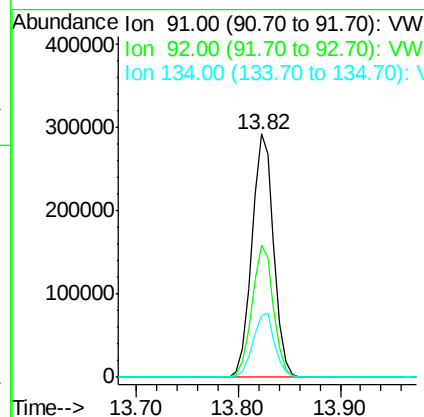
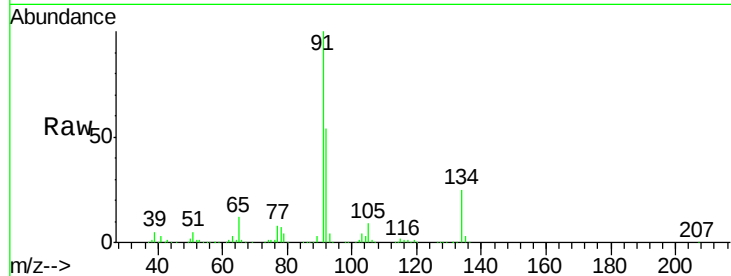
#89
n-Butylbenzene
Concen: 50.133 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.6	26.8	80.4	
134	26.4	13.2	39.6	

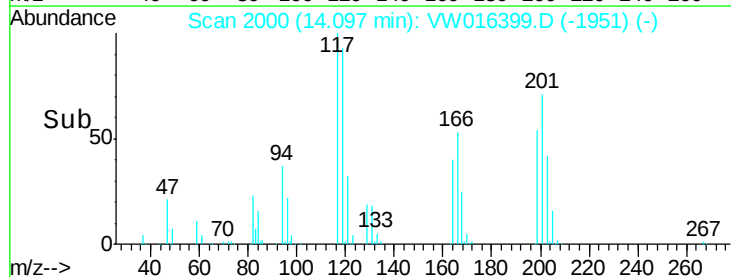
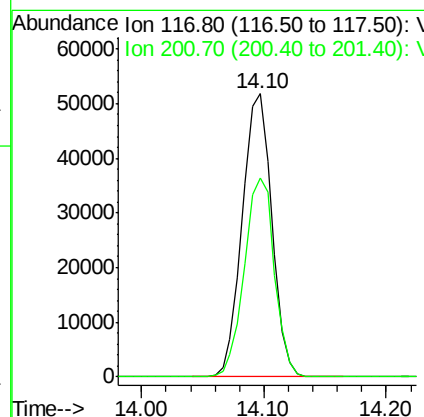
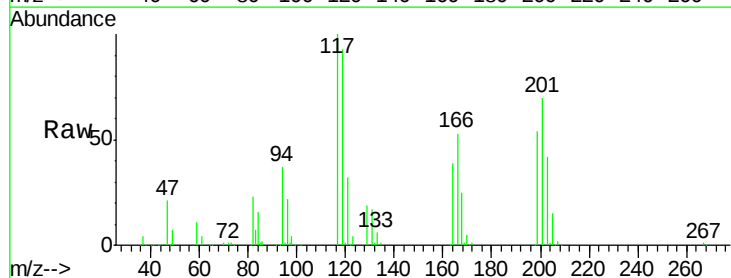
Manual Integrations
APPROVED

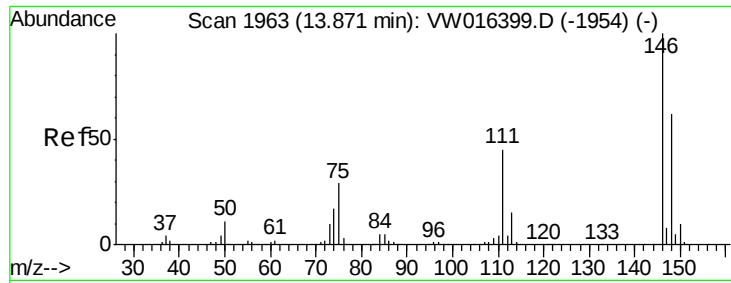
MMDadoda
8/31/2020 11:59:48 AM



#90
Hexachloroethane
Concen: 49.498 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.8	35.9	107.7	





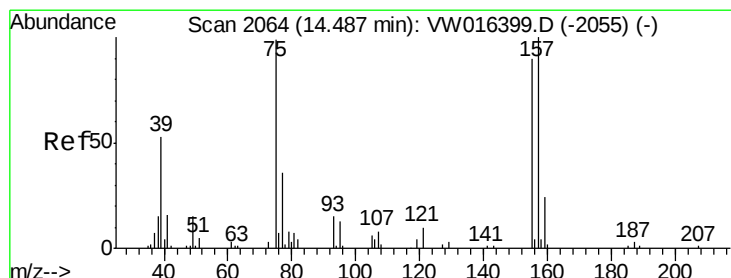
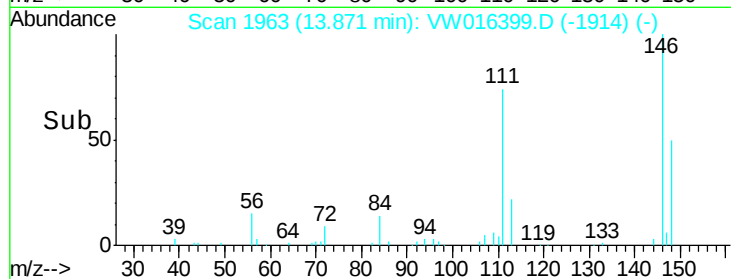
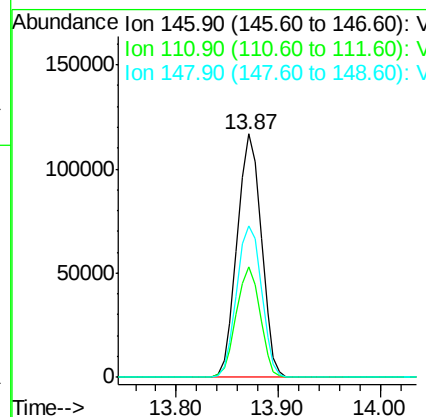
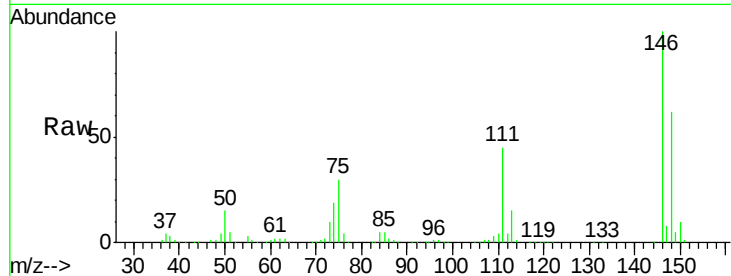
#91
 1,2-Dichlorobenzene
 Concen: 48.833 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191297		
111	44.5	22.3	66.8	
148	64.0	32.0	96.0	

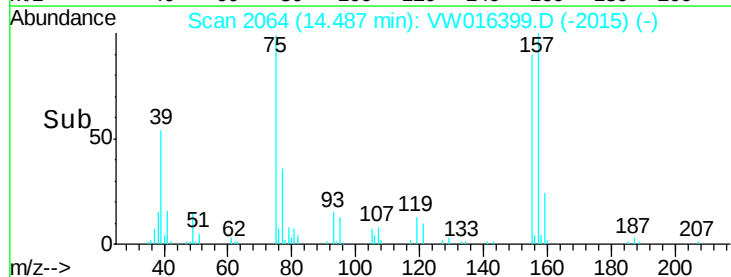
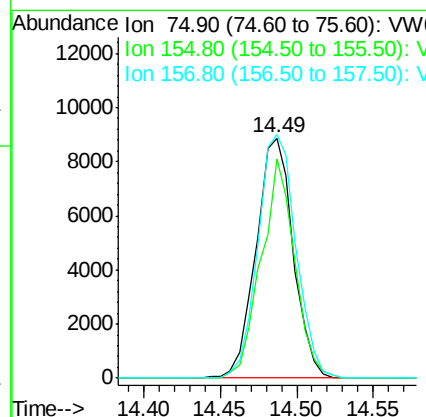
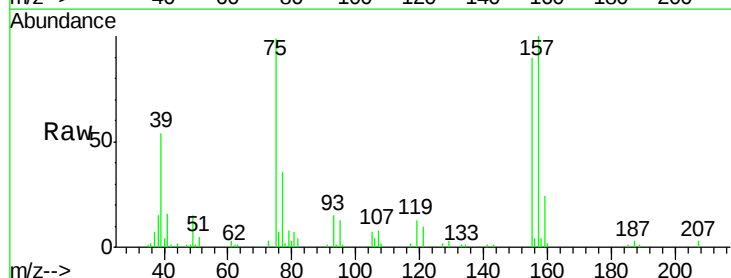
Manual Integrations
 APPROVED

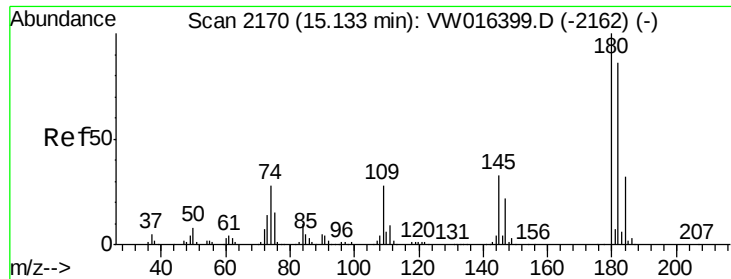
MMDadoda
 8/31/2020 11:59:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.801 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14990		
155	82.9	41.4	124.4	
157	104.3	52.1	156.4	





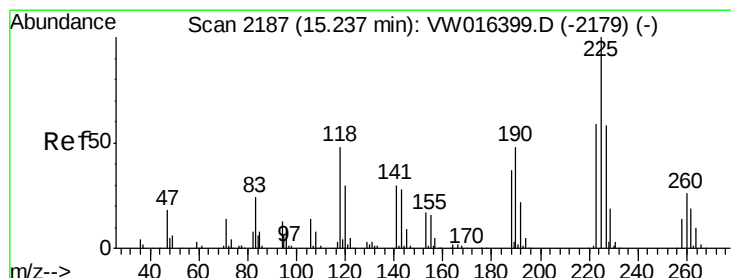
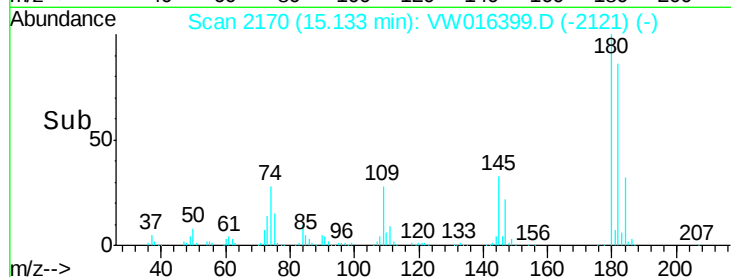
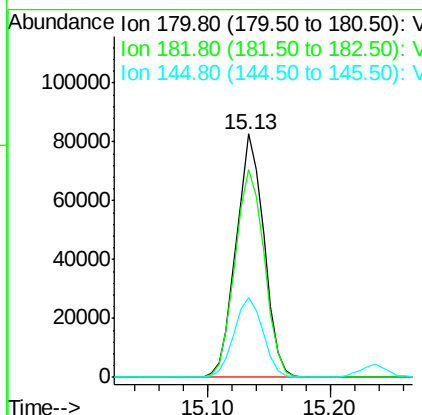
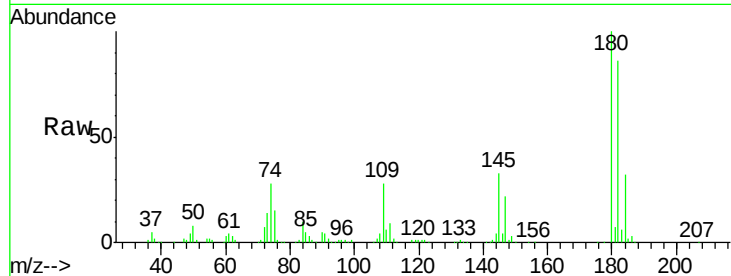
#93
 1,2,4-Trichlorobenzene
 Concen: 55.038 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130299		
182	89.8	44.9	134.7	
145	34.1	17.1	51.2	

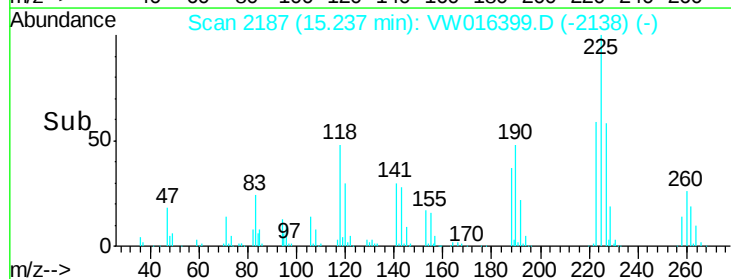
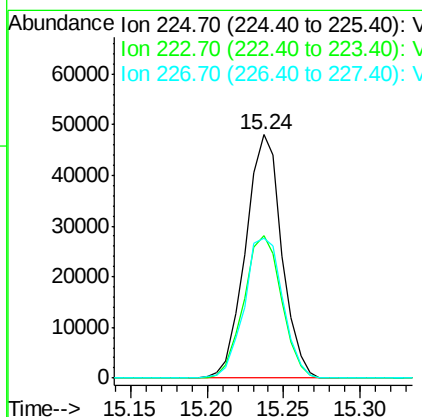
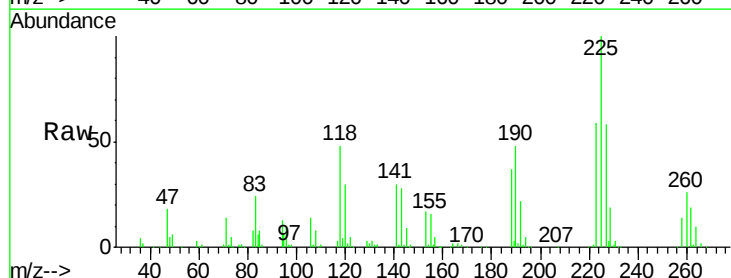
Manual Integrations
 APPROVED

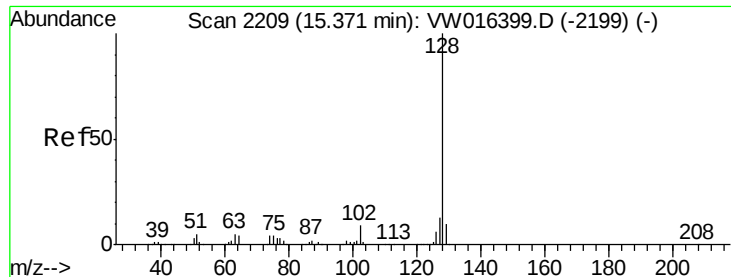
MMDadoda
 8/31/2020 11:59:48 AM



#94
 Hexachlorobutadiene
 Concen: 55.126 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW016399.D
 Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78988		
223	61.0	30.5	91.5	
227	61.4	30.7	92.1	





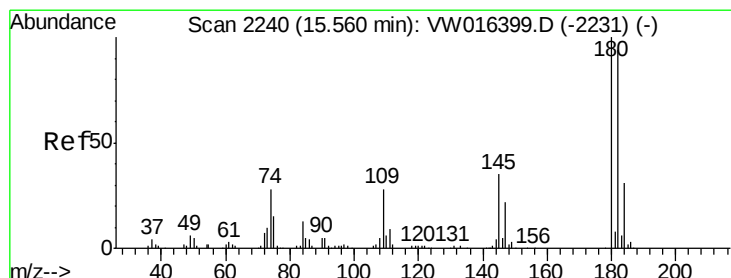
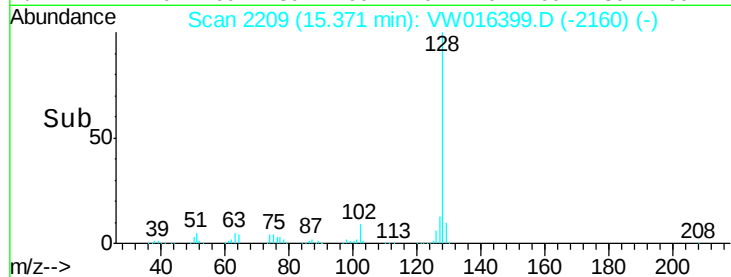
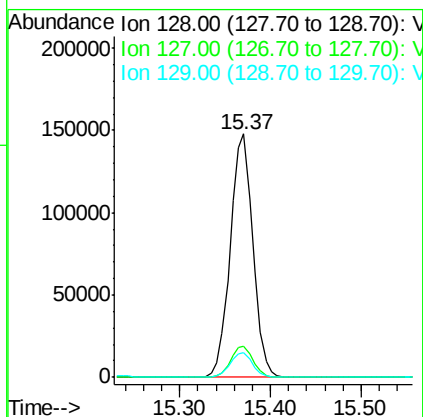
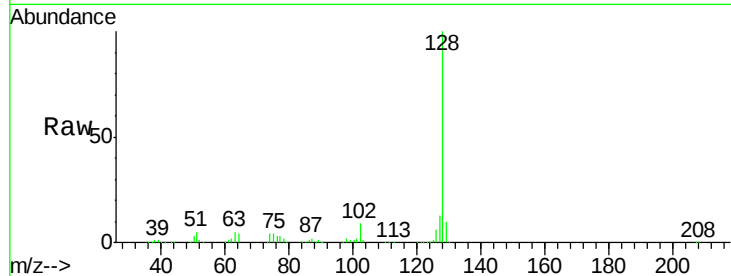
#95
Naphthalene
Concen: 59.749 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	258693		
127	12.8	10.2	15.4	
129	10.4	8.3	12.5	

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.494 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016399.D
Acq: 28 Aug 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114676		
182	93.0	46.5	139.5	
145	36.2	18.1	54.3	

