

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014572.D
 Acq On : 09 Jan 2020 09:55
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:40:42 AM

Quant Time: Jan 09 12:55:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	659613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	986029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	834480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	409421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	269249	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
35) Dibromofluoromethane	7.88	113	276317	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.32	98	1162274	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.62	95	389027	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	168078	45.130	ug/l	97
3) Chloromethane	2.21	50	218768	47.990	ug/l	96
4) Vinyl Chloride	2.36	62	348623	51.994	ug/l	96
5) Bromomethane	2.77	94	223998	54.080	ug/l	98
6) Chloroethane	2.92	64	206306	53.977	ug/l	99
7) Trichlorofluoromethane	3.25	101	181037	53.965	ug/l	96
8) Diethyl Ether	3.67	74	167772	50.263	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	326884	52.150	ug/l	98
10) Methyl Iodide	4.26	142	500662	52.938	ug/l	100
11) Tert butyl alcohol	5.15	59	100027	222.420	ug/l	98
12) 1,1-Dichloroethene	4.04	96	348666	53.117	ug/l	94
13) Acrolein	3.89	56	141791	281.691	ug/l	98
14) Allyl chloride	4.66	41	539908	53.824	ug/l	99
15) Acrylonitrile	5.35	53	359078	235.349	ug/l	99
16) Acetone	4.11	43	401544	246.583	ug/l	98
17) Carbon Disulfide	4.38	76	1011885	51.146	ug/l	99
18) Methyl Acetate	4.66	43	177290	45.079	ug/l	99
19) Methyl tert-butyl Ether	5.41	73	432238	53.047	ug/l	98
20) Methylene Chloride	4.91	84	345029	52.621	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	366324	52.558	ug/l	99
22) Diisopropyl ether	6.30	45	983347	52.374	ug/l	98
23) Vinyl Acetate	6.24	43	2822073	248.910	ug/l	99
24) 1,1-Dichloroethane	6.21	63	618948	52.261	ug/l	99
25) 2-Butanone	7.16	43	488047	233.536	ug/l	97
26) 2,2-Dichloropropane	7.16	77	345145	52.637	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	387366	52.892	ug/l	100
28) Bromochloromethane	7.50	49	235895	50.805	ug/l	97
29) Tetrahydrofuran	7.52	42	283714	219.143	ug/l	98
30) Chloroform	7.67	83	577294	52.125	ug/l	100
31) Cyclohexane	7.95	56	605893	49.227	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	472057	52.997	ug/l	99
36) 1,1-Dichloropropene	8.07	75	496507	52.232	ug/l	99
37) Ethyl Acetate	7.24	43	198956	46.149	ug/l	97
38) Carbon Tetrachloride	8.06	117	432671	52.465	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014572.D
 Acq On : 09 Jan 2020 09:55
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:40:42 AM

Quant Time: Jan 09 12:55:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	631647	51.779	ug/l	98
40) Benzene	8.32	78	1410024	52.427	ug/l	100
41) Methacrylonitrile	7.48	41	115197	47.935	ug/l	98
42) 1,2-Dichloroethane	8.40	62	348276	49.900	ug/l	100
43) Isopropyl Acetate	8.42	43	361832	46.219	ug/l	98
44) Trichloroethene	9.09	130	382967	52.622	ug/l	96
45) 1,2-Dichloropropane	9.37	63	346100	52.441	ug/l	97
46) Dibromomethane	9.46	93	159894	49.075	ug/l	99
47) Bromodichloromethane	9.64	83	416755	51.810	ug/l	97
48) Methyl methacrylate	9.43	41	177008	46.310	ug/l	98
49) 1,4-Dioxane	9.44	88	55268	906.950	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	924271	227.350	ug/l	98
52) Toluene	10.38	92	889798	52.588	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	423621	50.864	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	535289	52.588	ug/l	99
55) 1,1,2-Trichloroethane	10.78	97	235982	49.593	ug/l	98
56) Ethyl methacrylate	10.64	69	310747	50.250	ug/l	98
57) 1,3-Dichloropropane	10.93	76	414289	49.538	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	491534	261.347	ug/l	99
59) 2-Hexanone	10.96	43	671632	239.746	ug/l	100
60) Dibromochloromethane	11.13	129	271887	50.641	ug/l	98
61) 1,2-Dibromoethane	11.23	107	223042	49.380	ug/l	100
64) Tetrachloroethene	10.86	164	314096	51.991	ug/l	97
65) Chlorobenzene	11.65	112	909774	53.216	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	309439	53.758	ug/l	99
67) Ethyl Benzene	11.73	91	1662481	53.960	ug/l	98
68) m/p-Xylenes	11.83	106	1281693	108.696	ug/l	98
69) o-Xylene	12.16	106	589036	54.080	ug/l	100
70) Styrene	12.18	104	1011801	54.921	ug/l	99
71) Bromoform	12.35	173	158106	50.357	ug/l #	99
73) Isopropylbenzene	12.46	105	1623996	54.059	ug/l	100
74) N-amyl acetate	12.27	43	325313	48.296	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	260371	48.018	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	155349m	40.131	ug/l	
77) Bromobenzene	12.74	156	369630	52.976	ug/l	97
78) n-propylbenzene	12.80	91	1918778	54.317	ug/l	100
79) 2-Chlorotoluene	12.89	91	1073501	53.400	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1354548	53.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	87359	50.281	ug/l	100
82) 4-Chlorotoluene	12.99	91	1119396	53.596	ug/l	100
83) tert-Butylbenzene	13.20	119	1205062	54.567	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1350377	53.797	ug/l	99
85) sec-Butylbenzene	13.38	105	1653090	54.079	ug/l	99
86) p-Isopropyltoluene	13.49	119	1521218	54.597	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	718862	52.982	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	698089	52.116	ug/l	99
89) n-Butylbenzene	13.82	91	1426162	55.119	ug/l	100
90) Hexachloroethane	14.09	117	259334	53.279	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	626838	52.564	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	40413	47.065	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\
Data File : VW014572.D
Acq On : 09 Jan 2020 09:55
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM

Quant Time: Jan 09 12:55:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	435686	54.102	ug/l	98
94) Hexachlorobutadiene	15.23	225	283868	52.600	ug/l	98
95) Naphthalene	15.36	128	706805	51.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	367359	52.334	ug/l	100

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

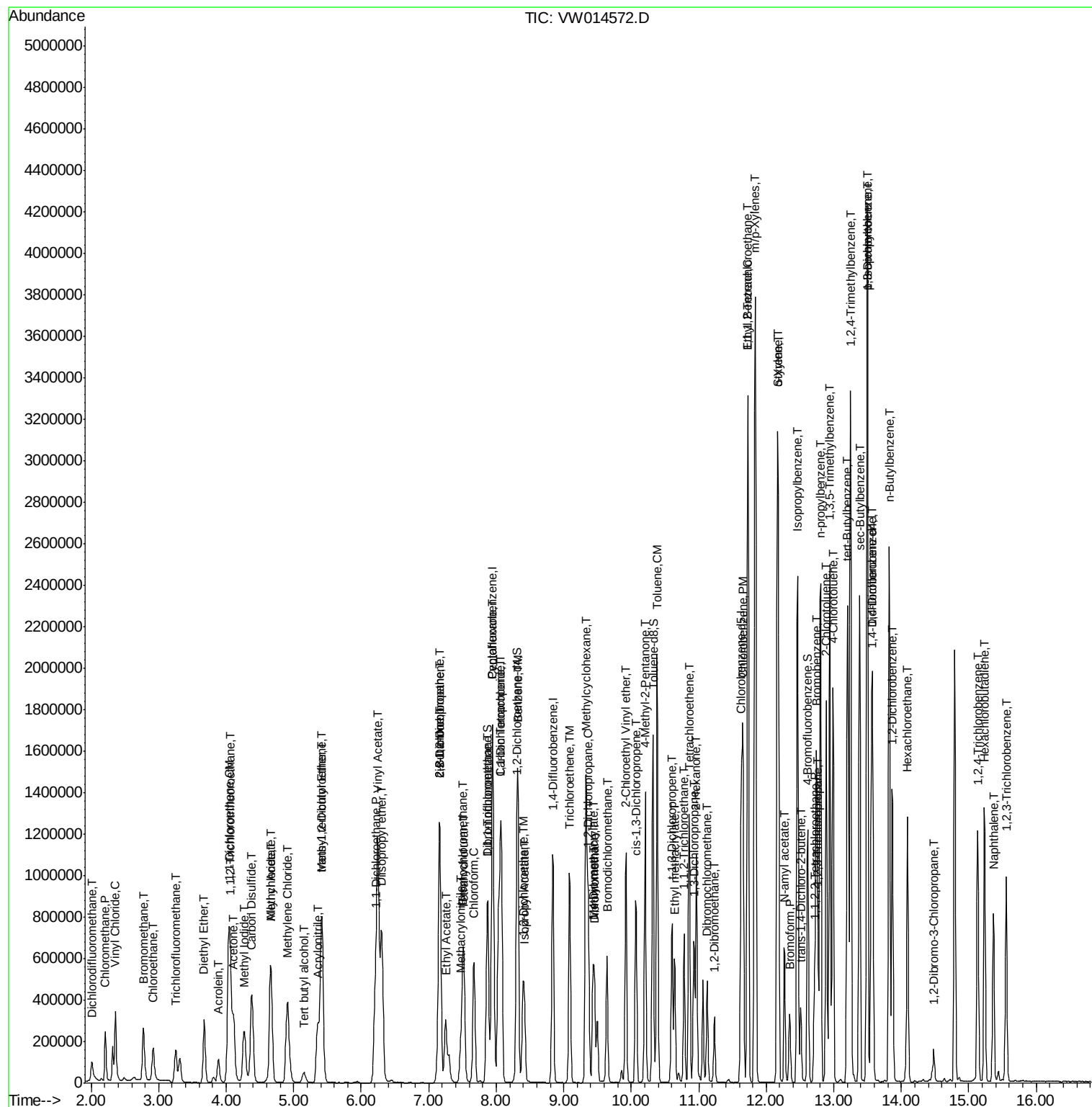
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014572.D
 Acq On : 09 Jan 2020 09:55
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

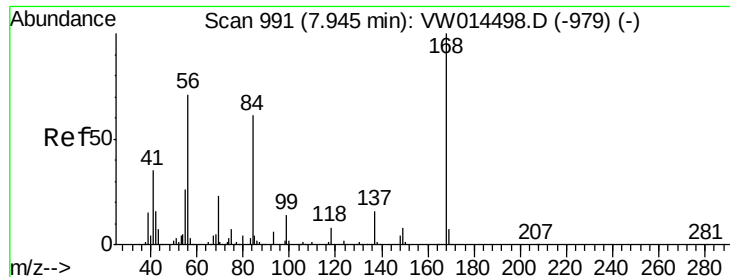
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:40:42 AM

Quant Time: Jan 09 12:55:23 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 659613

Ion Ratio Lower Upper

168 100

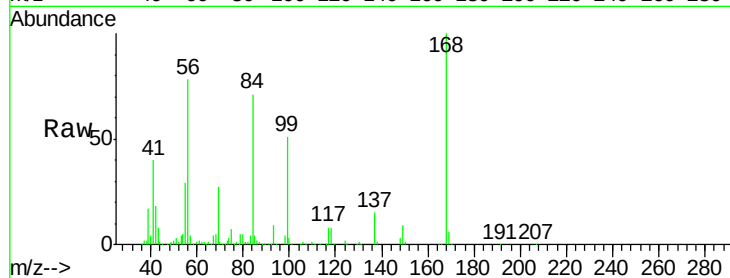
99 50.9 41.1 61.7

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:42 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

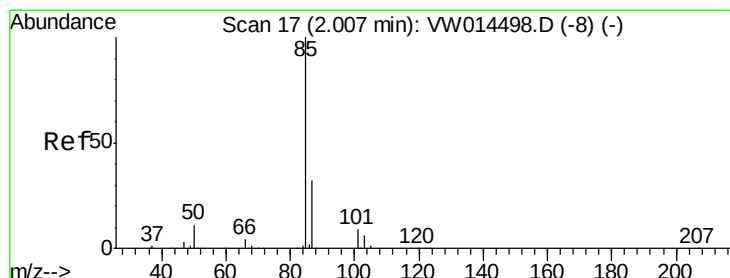
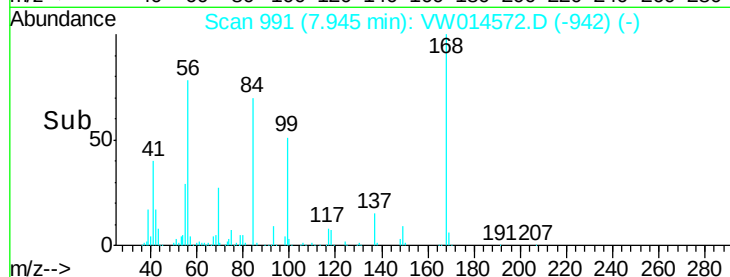
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 45.130 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014572.D

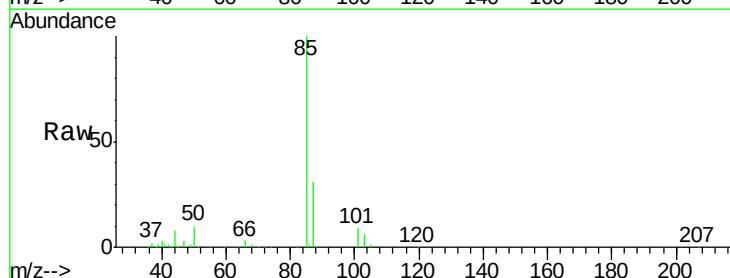
Acq: 09 Jan 2020 09:55

Tgt Ion: 85 Resp: 168078

Ion Ratio Lower Upper

85 100

87 30.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

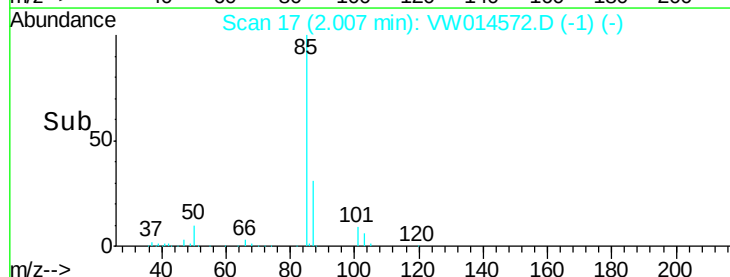
30000

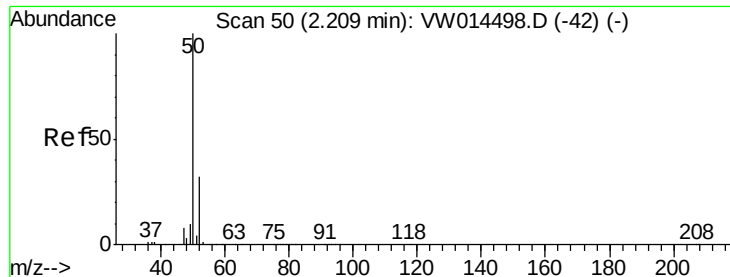
20000

10000

0

Time--> 1.80 2.00 2.20





#3

Chloromethane

Concen: 47.990 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 218768

Ion Ratio Lower Upper

50 100

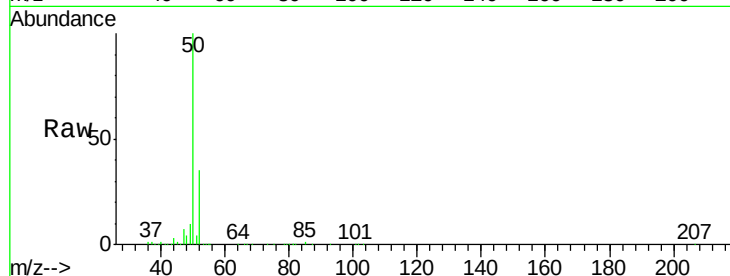
52 34.6 25.8 38.8

Manual Integrations

APPROVED

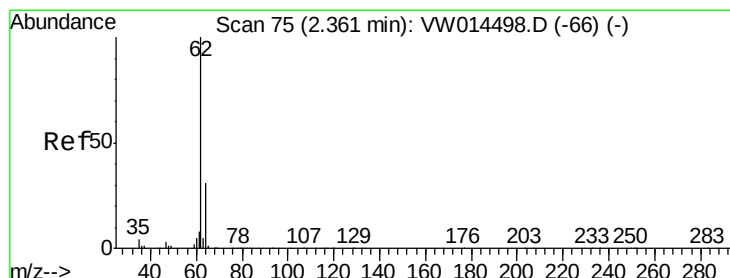
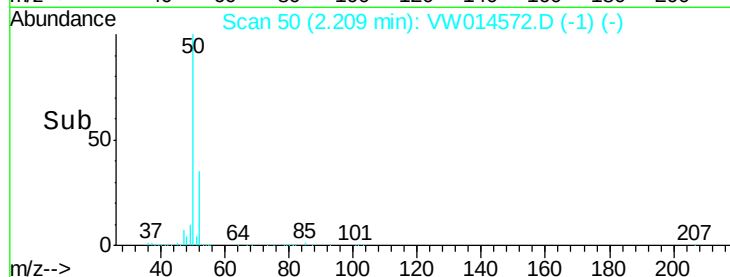
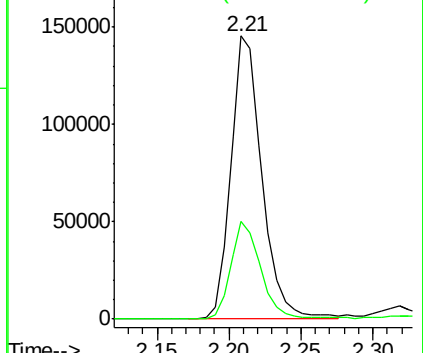
MMDadoda

1/10/2020 10:40:42 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 51.994 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014572.D

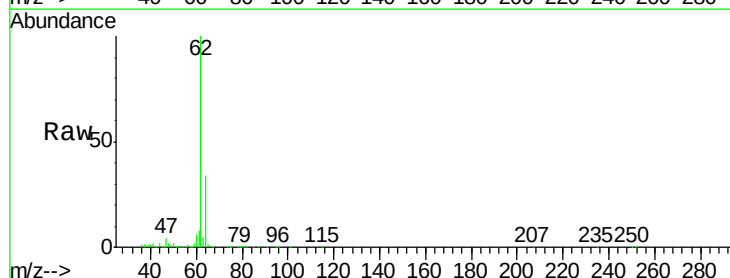
Acq: 09 Jan 2020 09:55

Tgt Ion: 62 Resp: 348623

Ion Ratio Lower Upper

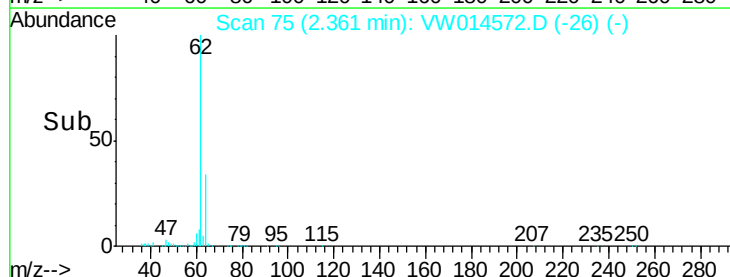
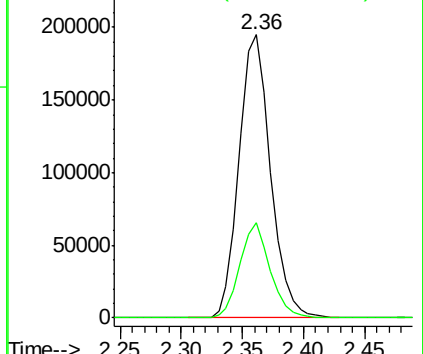
62 100

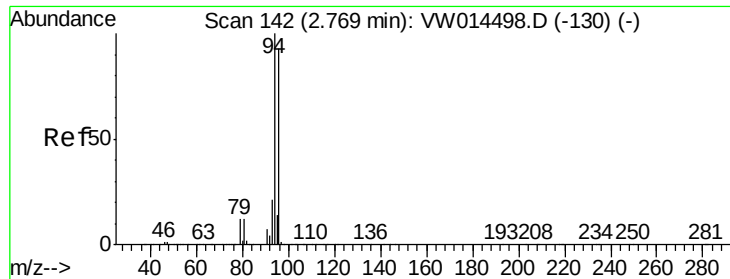
64 33.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 54.080 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 223998

Ion Ratio Lower Upper

94 100

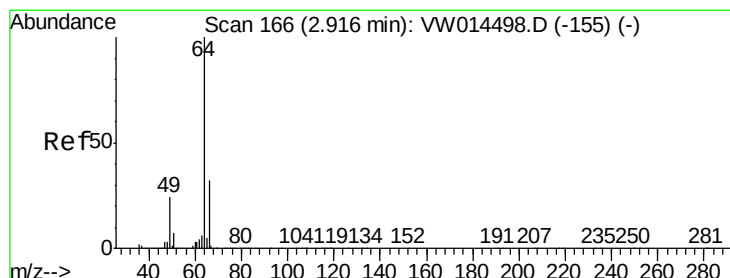
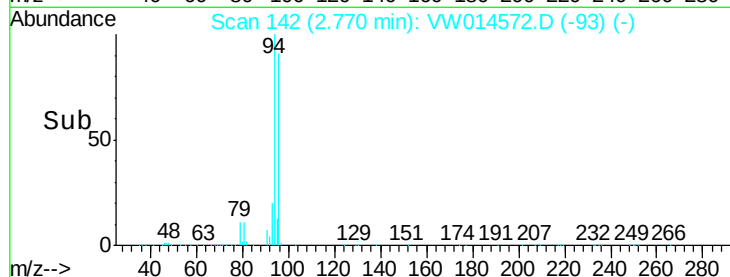
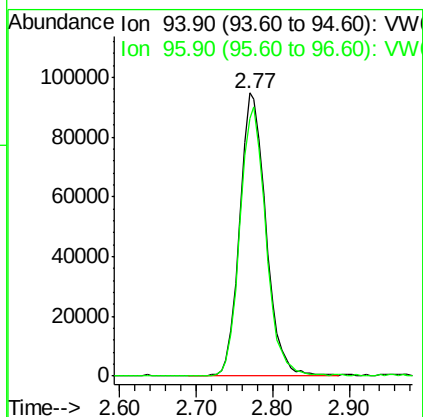
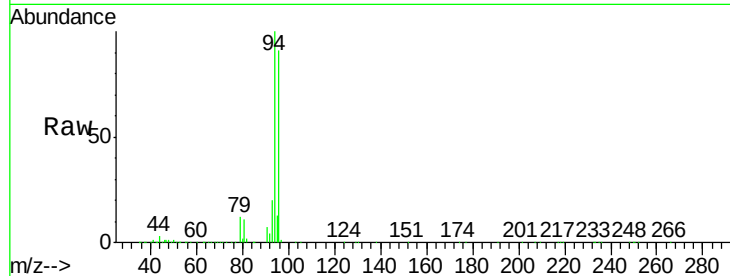
96 91.1 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:42 AM



#6

Chloroethane

Concen: 53.977 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014572.D

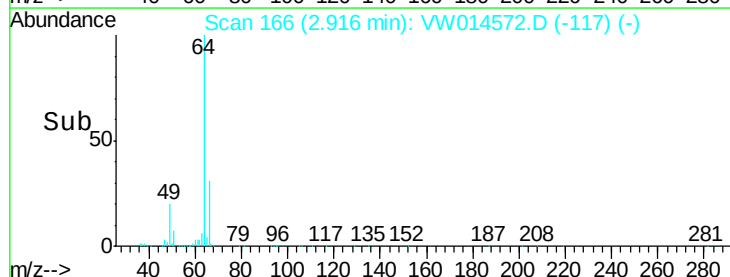
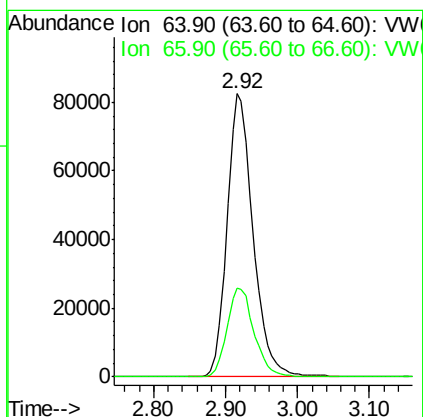
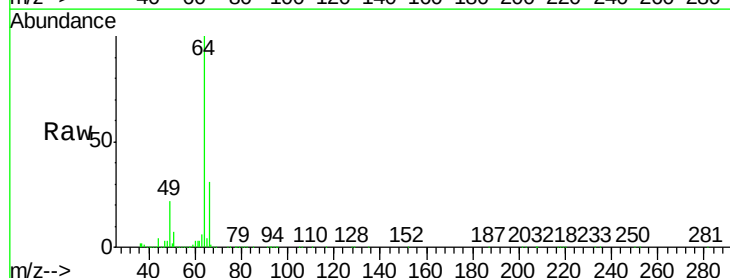
Acq: 09 Jan 2020 09:55

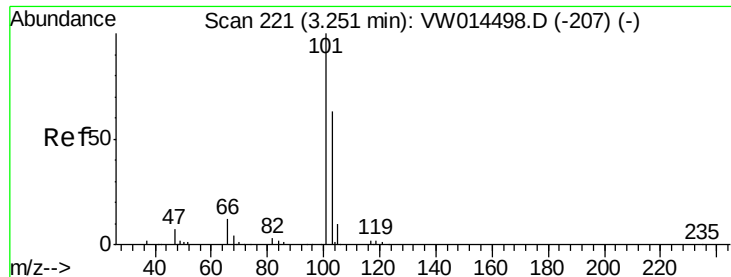
Tgt Ion: 64 Resp: 206306

Ion Ratio Lower Upper

64 100

66 31.4 25.7 38.5





#7

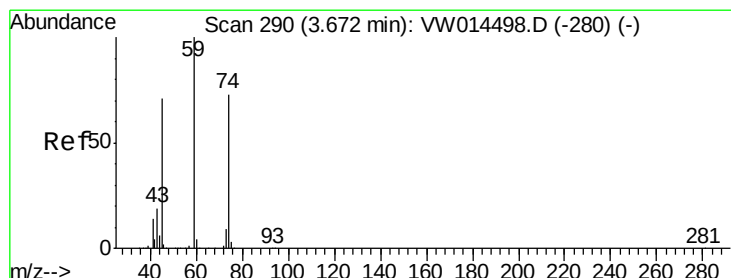
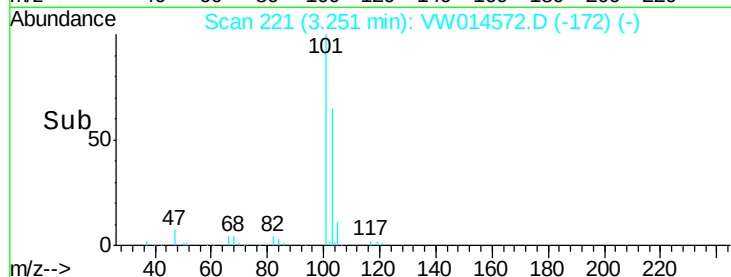
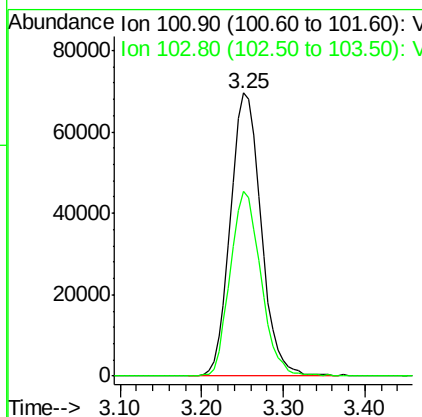
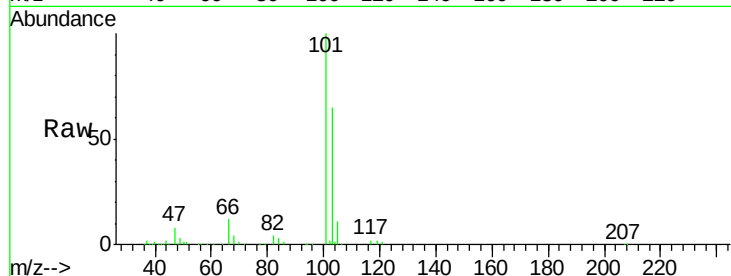
Trichlorofluoromethane
Concen: 53.965 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.1	75.1

Manual Integrations
APPROVED

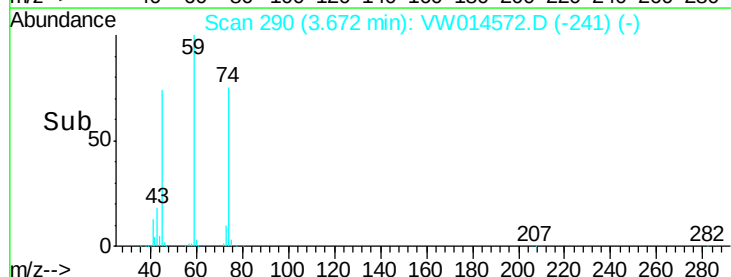
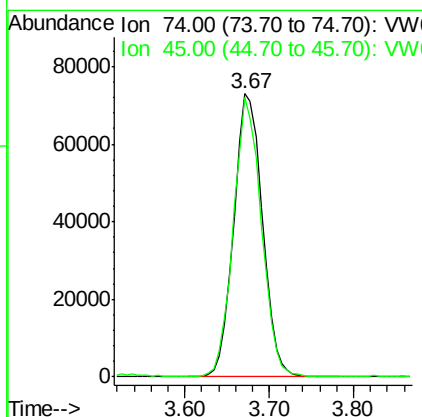
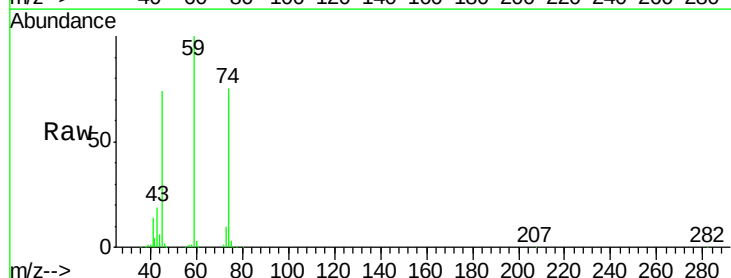
MMDadoda
1/10/2020 10:40:42 AM

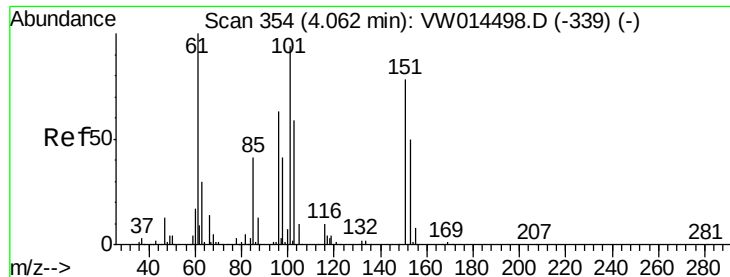


#8

Diethyl Ether
Concen: 50.263 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.150 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

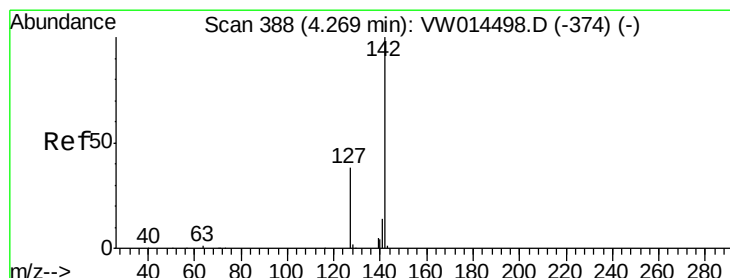
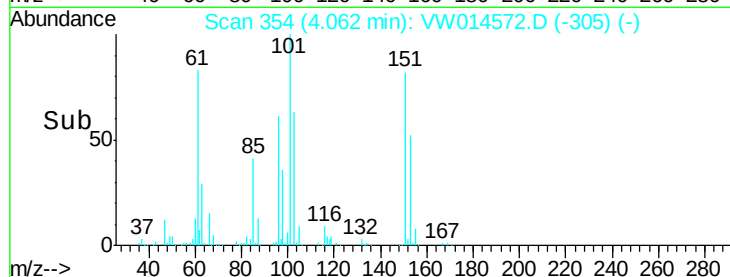
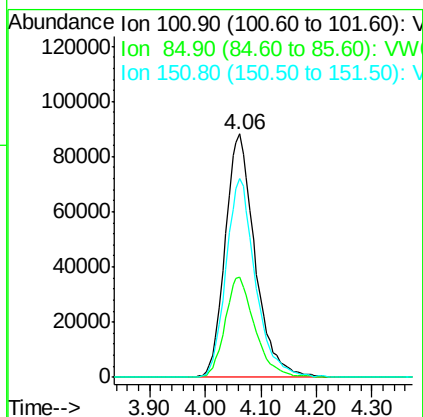
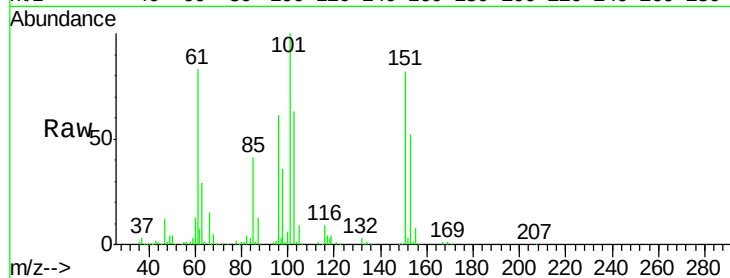
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	326884
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.7	50.5
151	80.8	63.5	95.3

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM



#10

Methyl Iodide

Concen: 52.938 ug/l

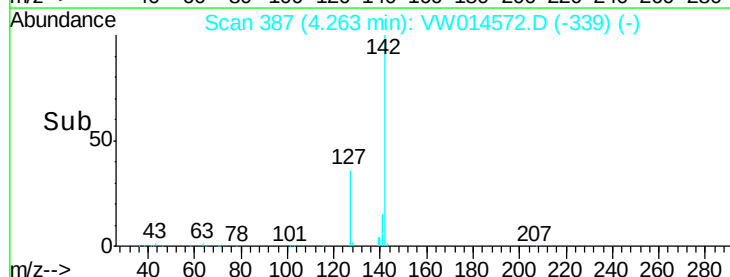
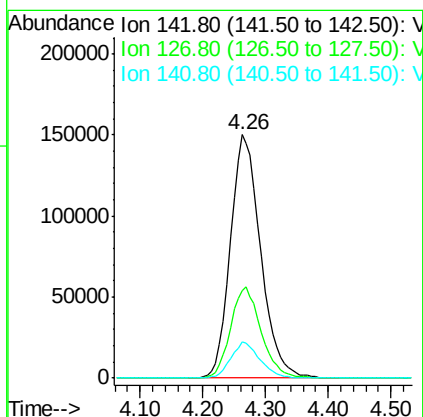
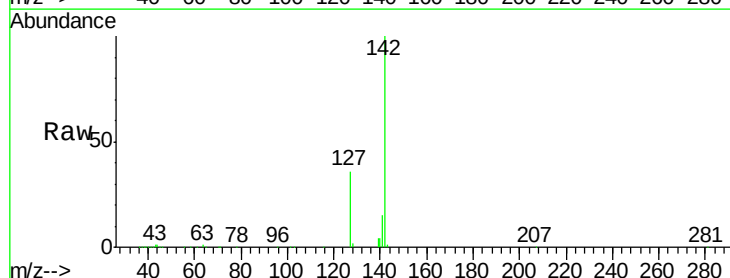
RT: 4.26 min Scan# 387

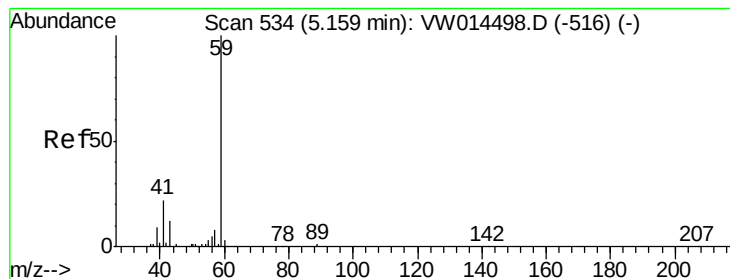
Delta R.T. -0.01 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tgt Ion:	142	Resp:	500662
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.2	45.4
141	14.4	11.4	17.2





#11

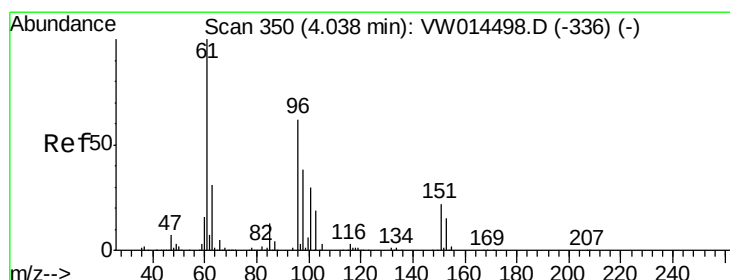
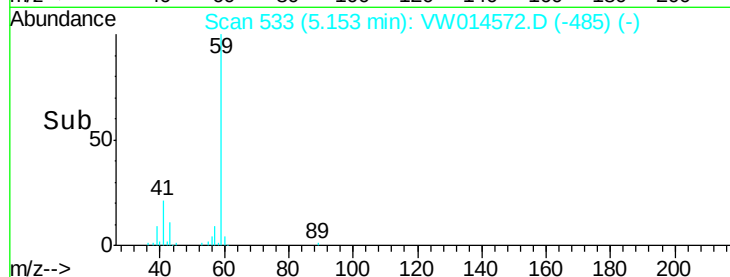
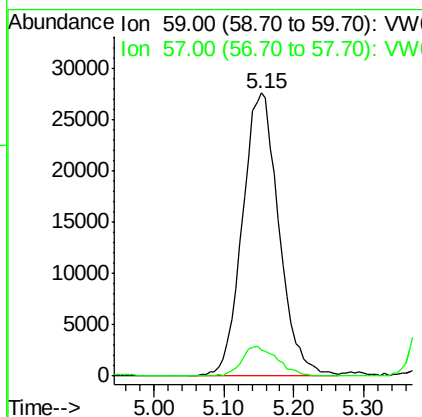
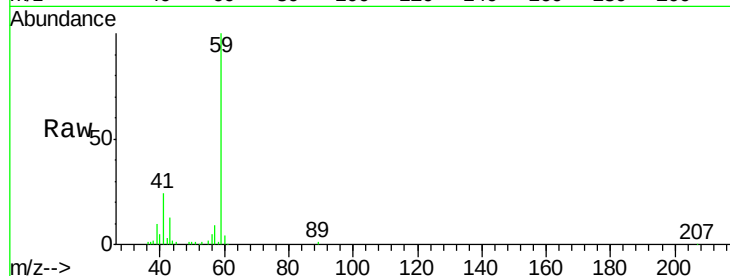
Tert butyl alcohol
 Concen: 222.420 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.5	7.8	11.8

Manual Integrations
 APPROVED

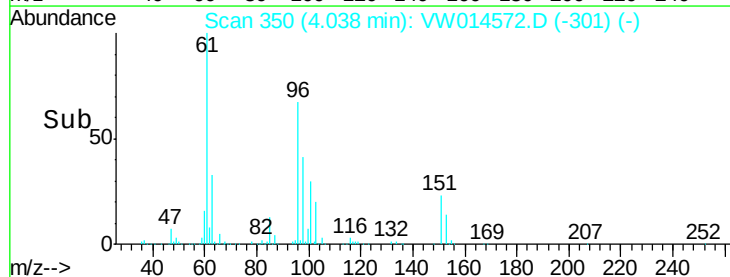
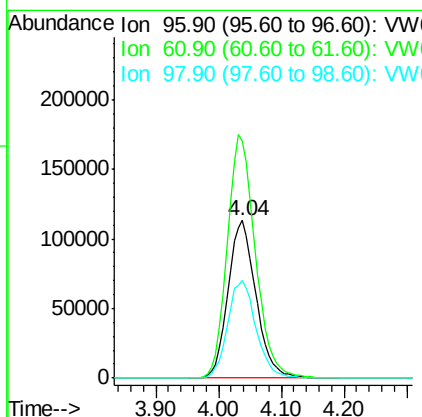
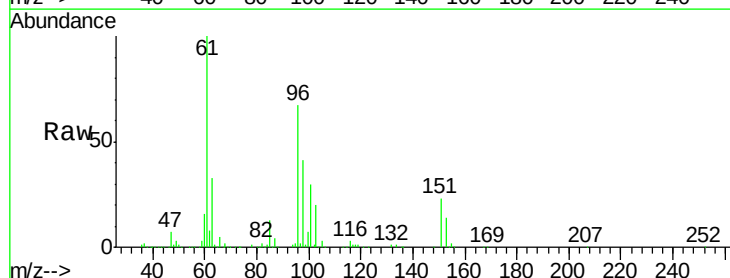
MMDadoda
 1/10/2020 10:40:42 AM

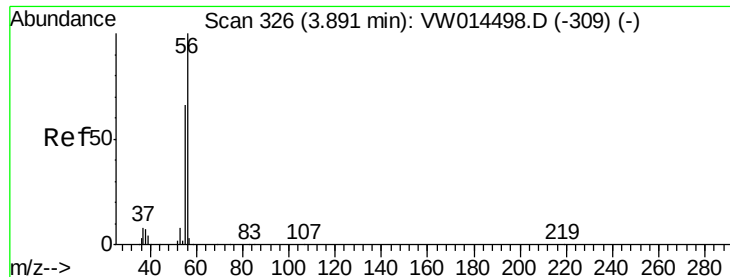


#12

1,1-Dichloroethene
 Concen: 53.117 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	150.2	128.4	192.6
98	98	61.7	49.1	73.7





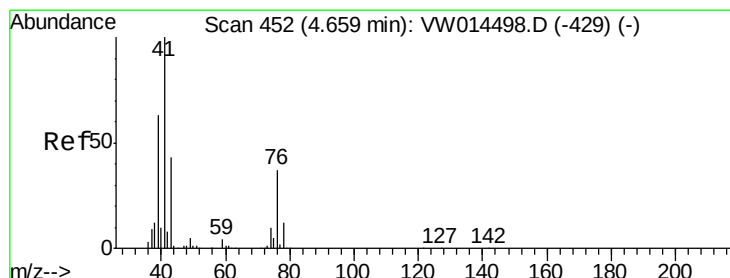
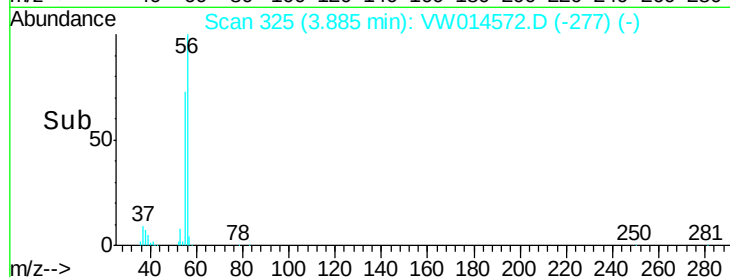
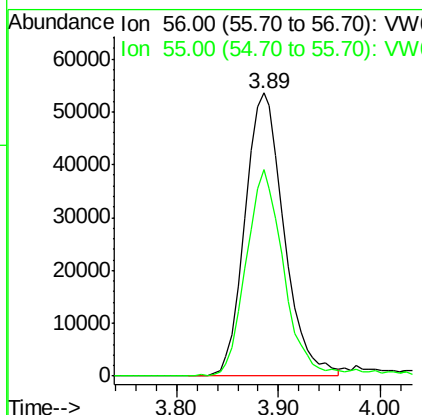
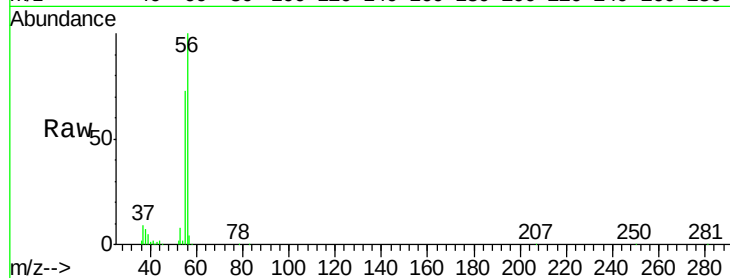
#13
Acrolein
Concen: 281.691 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	141791
Ion Ratio	100	Lower	Upper
55	69.6	56.7	85.1

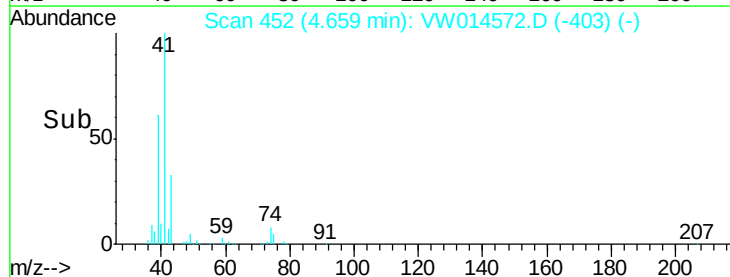
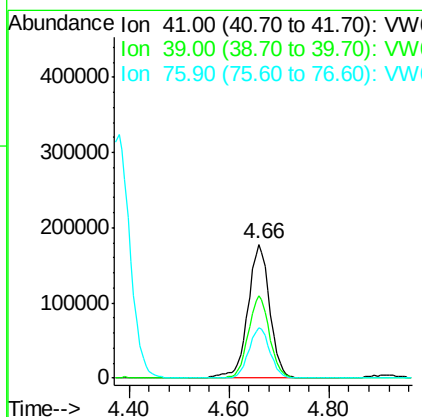
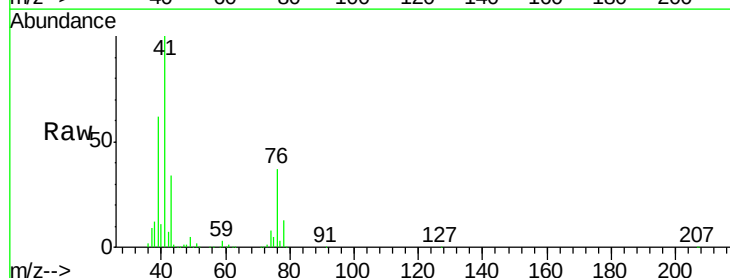
Manual Integrations
APPROVED

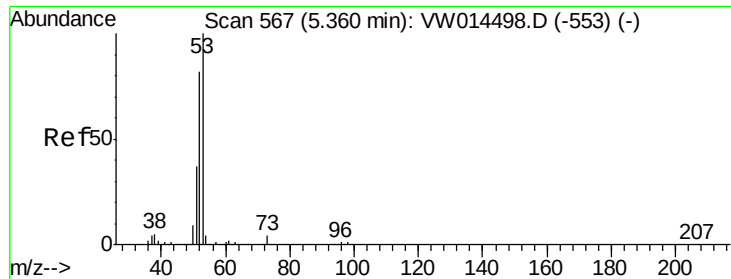
MMDadoda
1/10/2020 10:40:42 AM



#14
Allyl chloride
Concen: 53.824 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	41	Resp	539908
Ion Ratio	100	Lower	Upper
39	60.1	48.5	72.7
76	36.1	28.1	42.1





#15

Acrylonitrile

Concen: 235.349 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

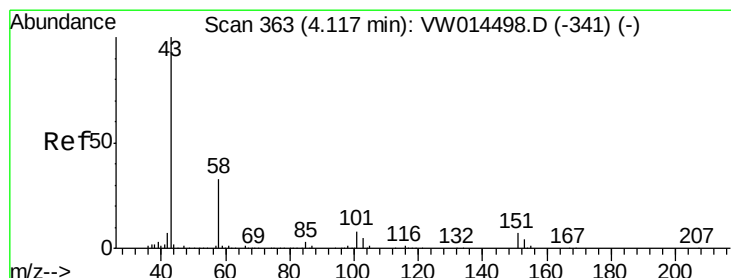
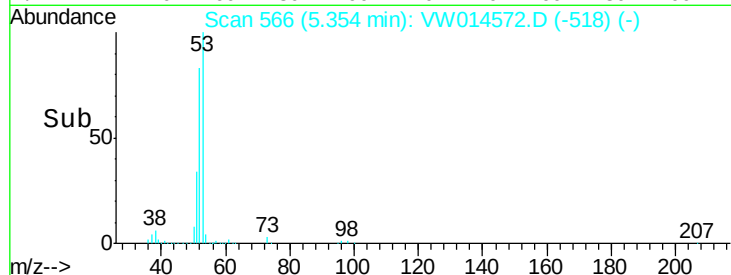
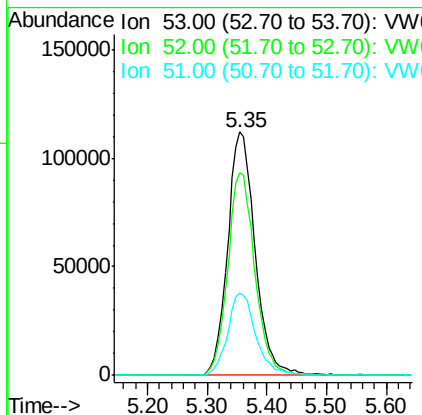
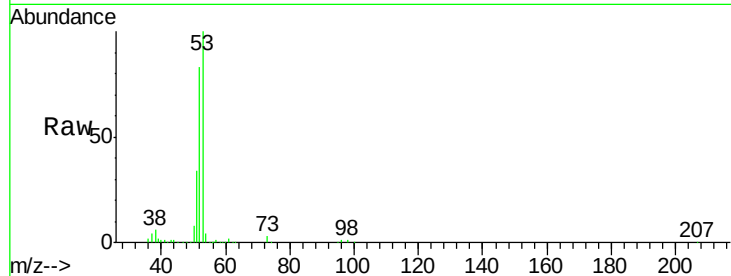
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	359078
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.5	99.7
51	34.6	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM



#16

Acetone

Concen: 246.583 ug/l

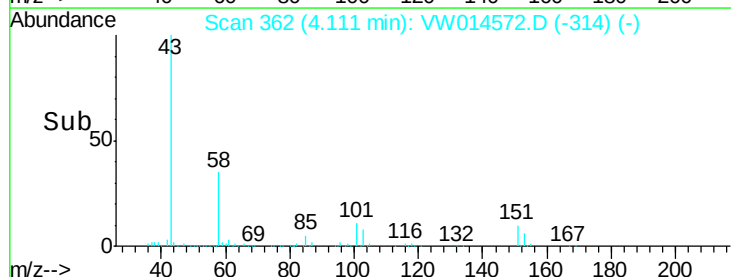
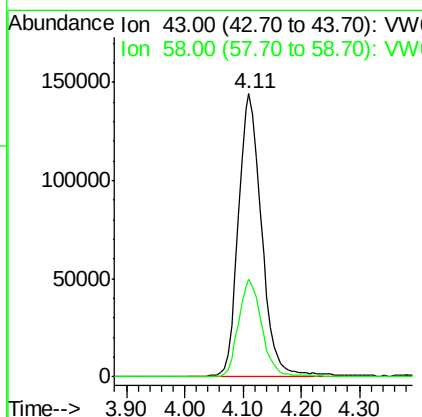
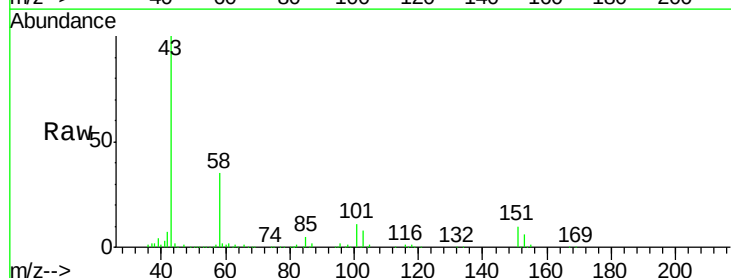
RT: 4.11 min Scan# 362

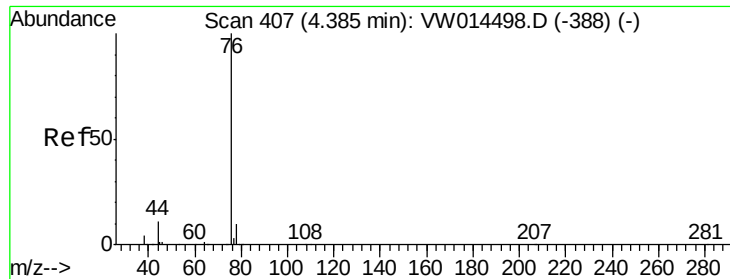
Delta R.T. -0.01 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tgt Ion:	43	Resp:	401544
Ion Ratio	Lower	Upper	
43	100		
58	34.5	26.6	39.8





#17

Carbon Disulfide

Concen: 51.146 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1011885

Ion Ratio Lower Upper

76 100

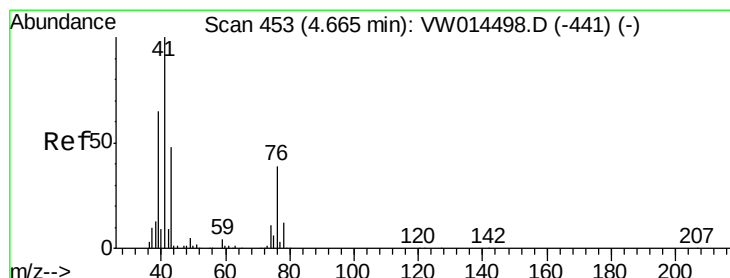
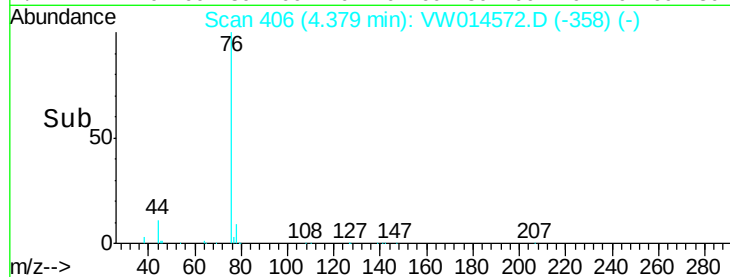
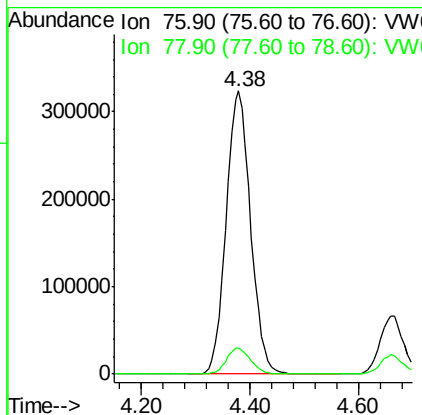
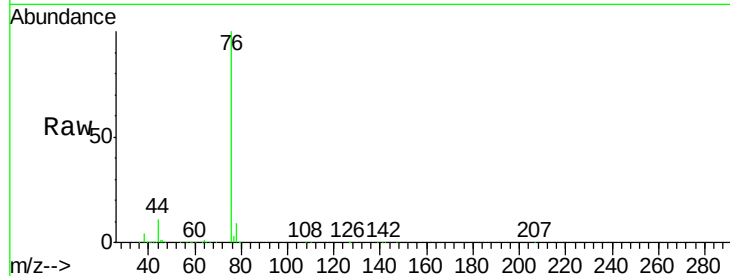
78 9.3 7.8 11.6

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:42 AM



#18

Methyl Acetate

Concen: 45.079 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014572.D

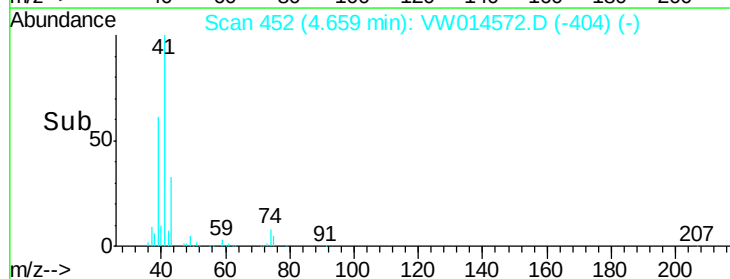
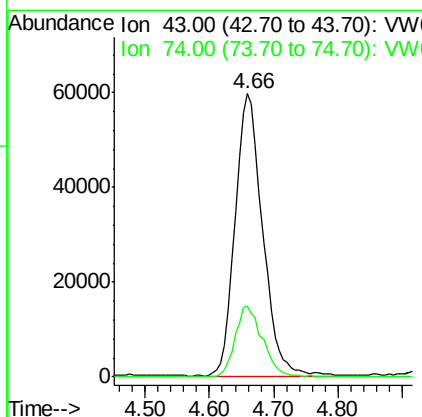
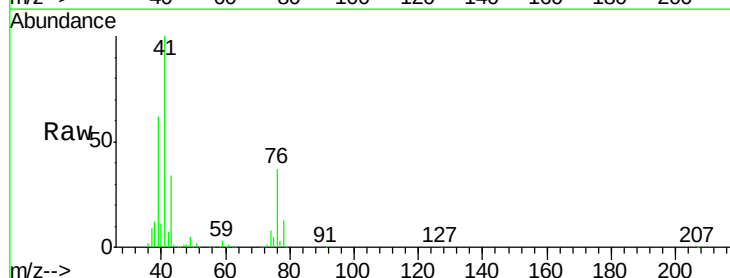
Acq: 09 Jan 2020 09:55

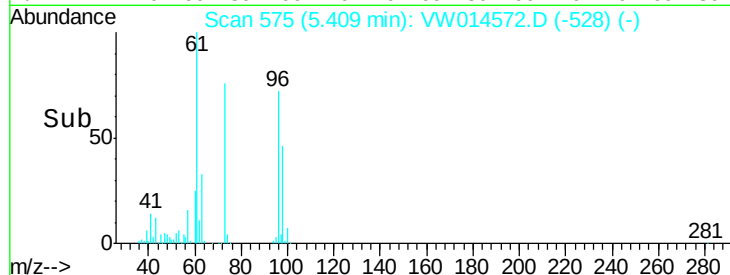
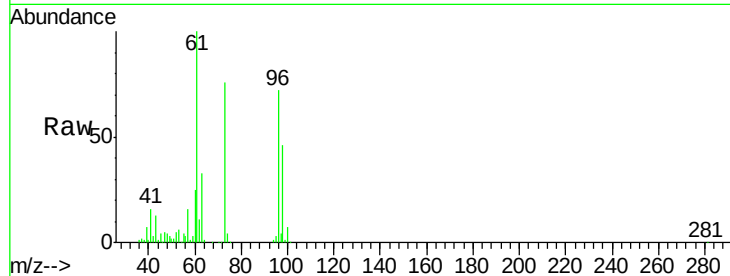
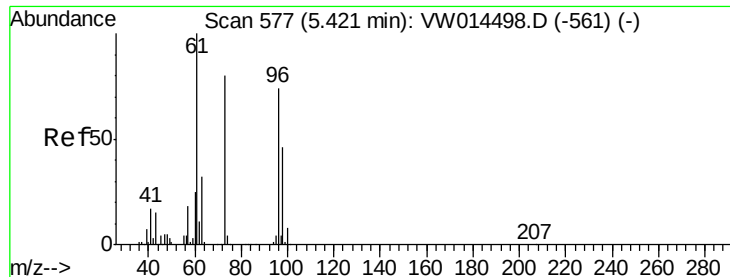
Tgt Ion: 43 Resp: 177290

Ion Ratio Lower Upper

43 100

74 24.7 19.3 28.9





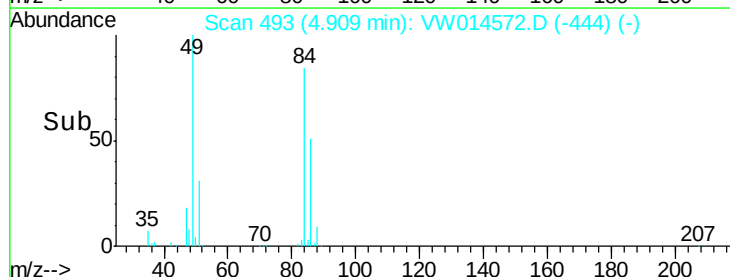
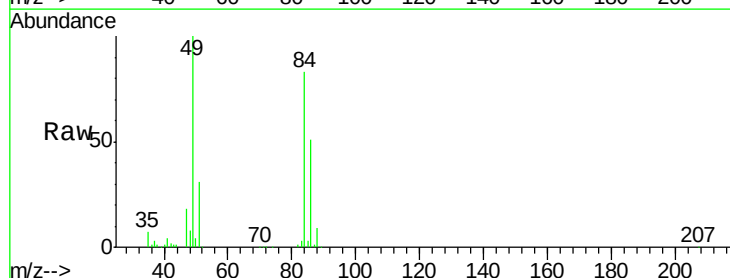
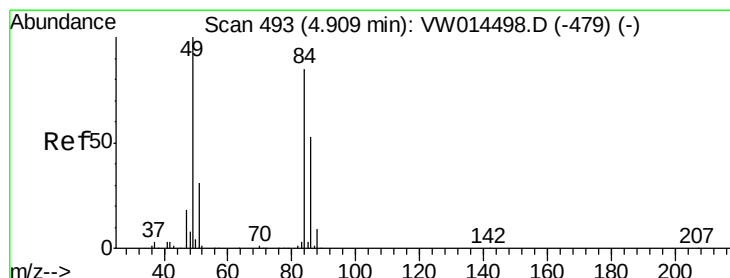
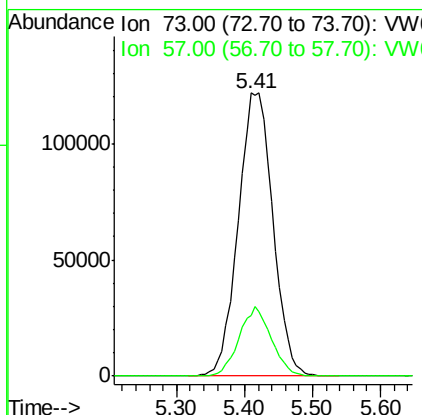
#19
Methyl tert-butyl Ether
Concen: 53.047 ug/l
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	18.1	27.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

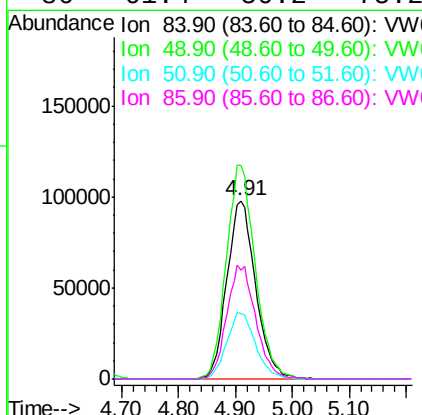
Manual Integrations
APPROVED

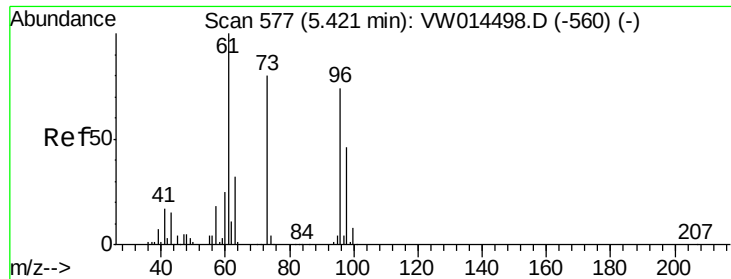
MMDadoda
1/10/2020 10:40:42 AM



#20
Methylene Chloride
Concen: 52.621 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.9	94.4	141.6
51	36.8	29.5	44.3
86	61.4	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 52.558 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

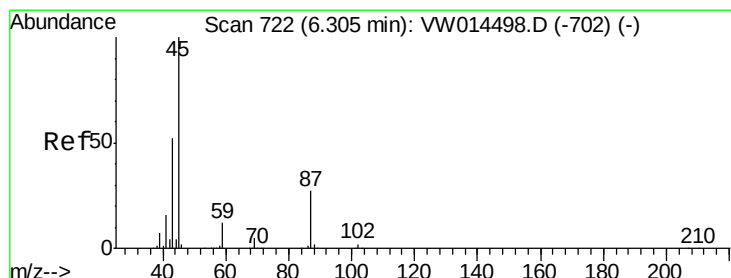
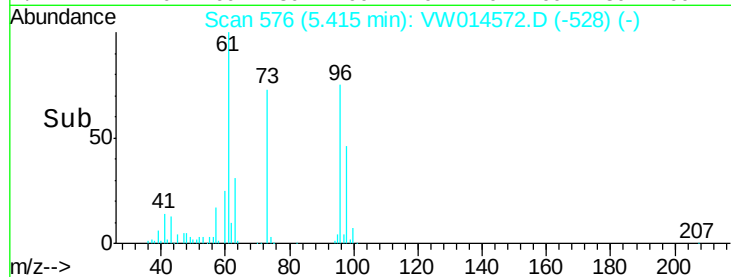
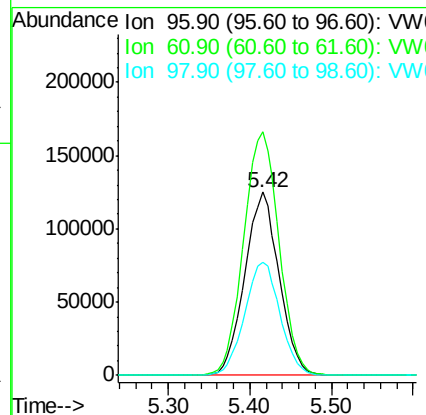
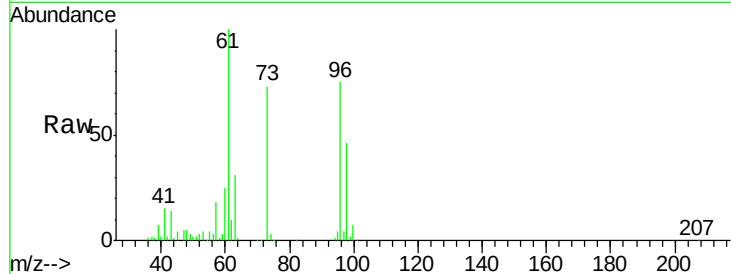
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	366324
Ion	Ratio	Lower	Upper
96	100		
61	132.9	107.8	161.6
98	61.6	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM



#22

Diisopropyl ether

Concen: 52.374 ug/l

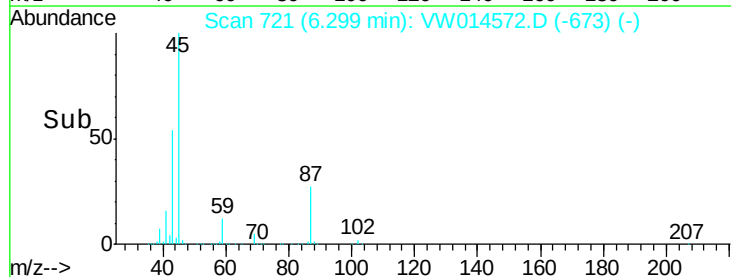
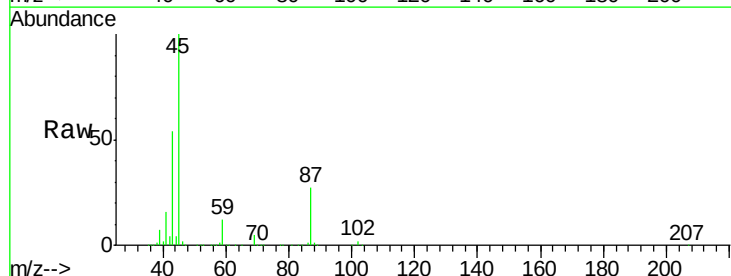
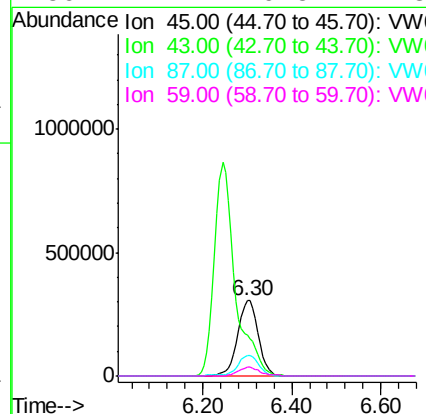
RT: 6.30 min Scan# 721

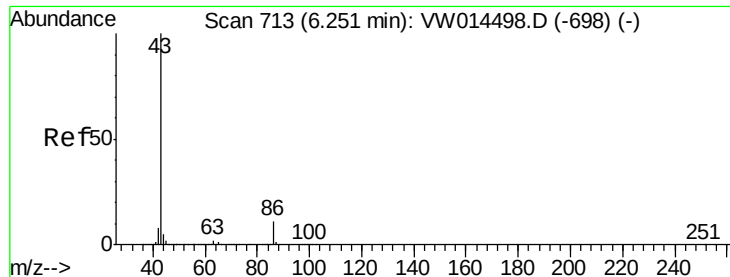
Delta R.T. -0.01 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tgt Ion:	45	Resp:	983347
Ion	Ratio	Lower	Upper
45	100		
43	53.7	41.4	62.0
87	26.9	22.2	33.2
59	12.2	9.5	14.3





#23

Vinyl Acetate

Concen: 248.910 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tot Ion: 43 Resp: 2822073

Ion Ratio Lower Upper

43 100

86 10.6 8.8 13.2

Instrument :

MSVOA_W

ClientSampleId :

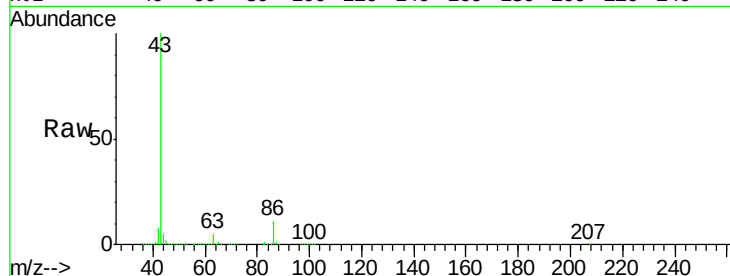
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

800000

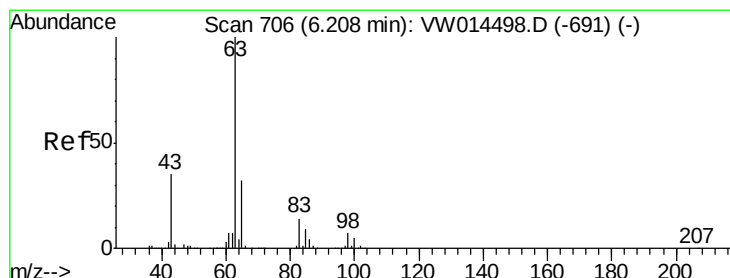
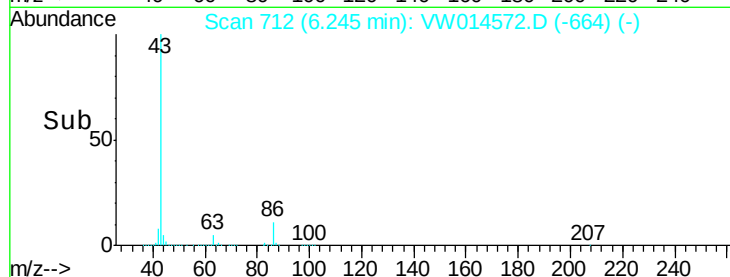
600000

400000

200000

0

Time--> 6.00 6.20 6.40



#24

1,1-Dichloroethane

Concen: 52.261 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

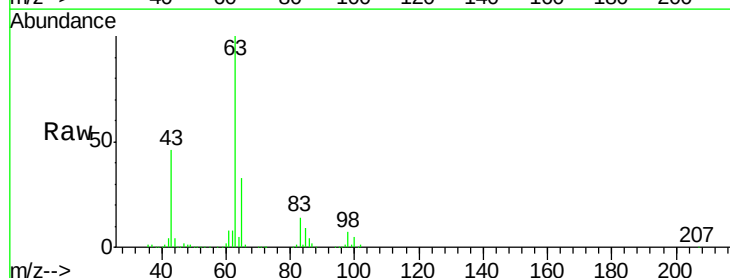
Tgt Ion: 63 Resp: 618948

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.6 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

250000

200000

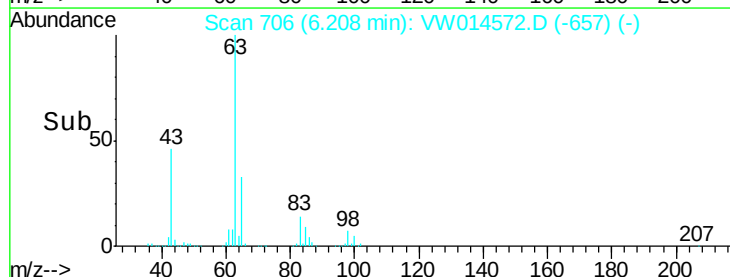
150000

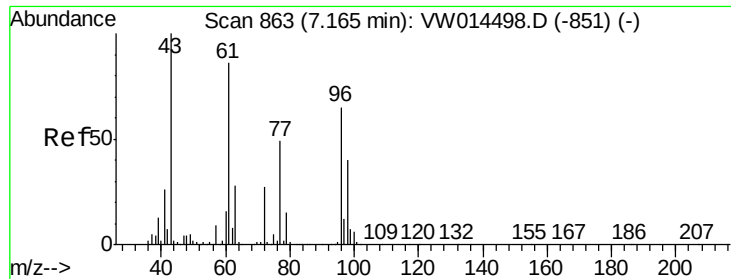
100000

50000

0

Time--> 6.10 6.20 6.30





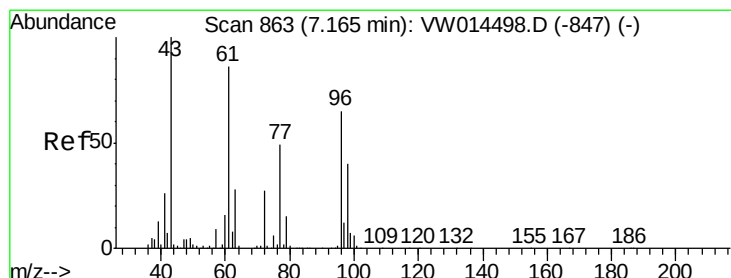
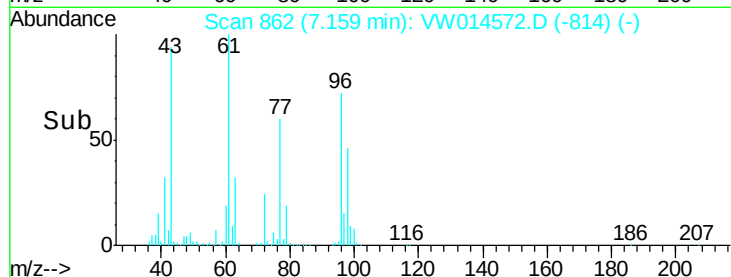
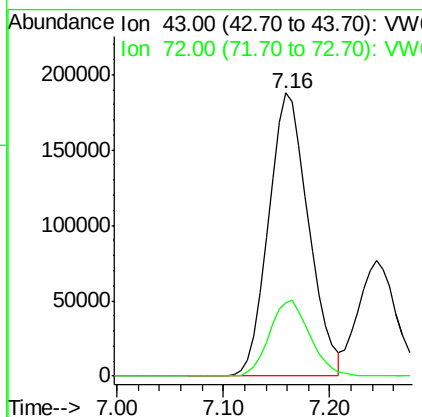
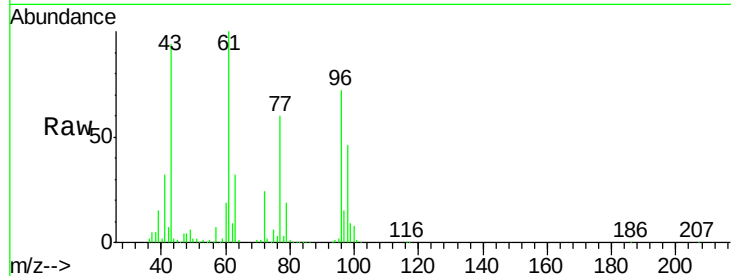
#25
2-Butanone
Concen: 233.536 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 488047
Ion Ratio Lower Upper
43 100
72 25.9 21.9 32.9

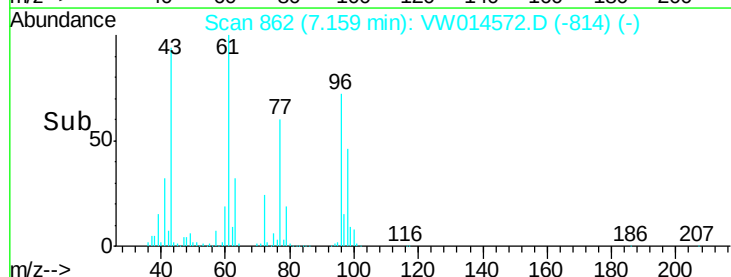
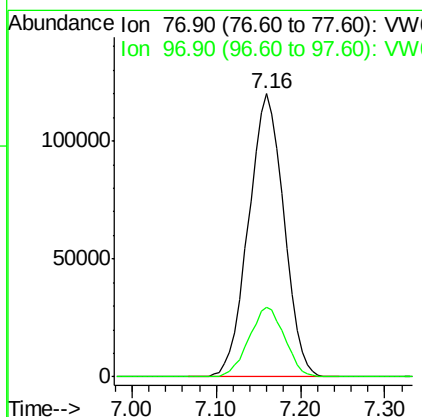
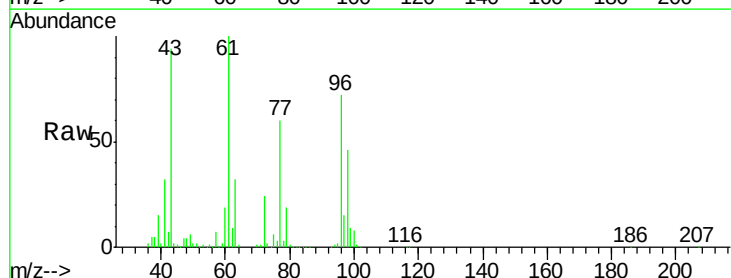
Manual Integrations
APPROVED

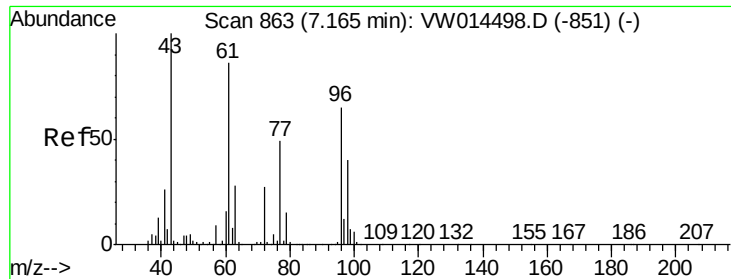
MMDadoda
1/10/2020 10:40:42 AM



#26
2,2-Dichloropropane
Concen: 52.637 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion: 77 Resp: 345145
Ion Ratio Lower Upper
77 100
97 24.7 12.5 37.5





#27

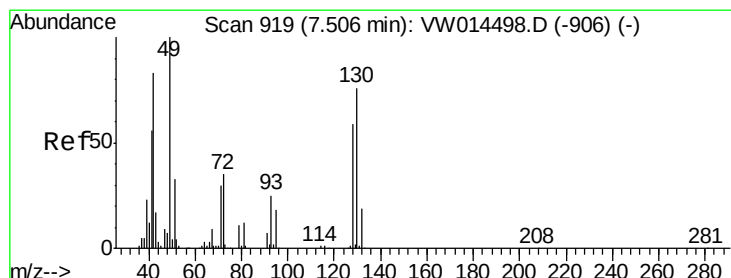
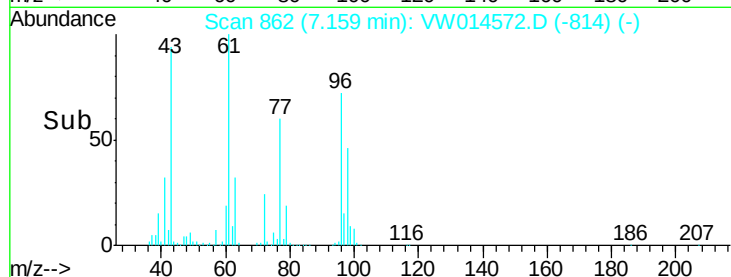
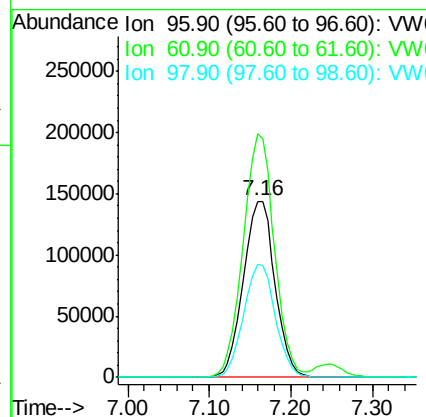
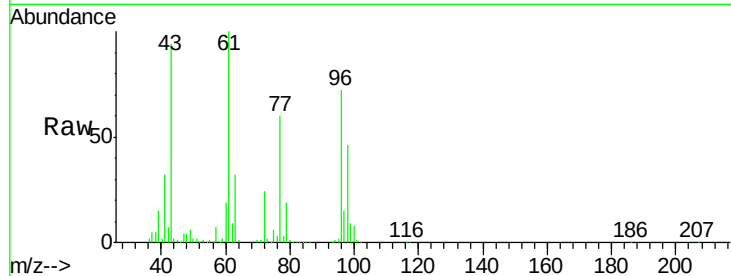
cis-1,2-Dichloroethene
Concen: 52.892 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	387366		
61	136.8	0.0	274.8	
98	64.2	0.0	128.6	

Manual Integrations
APPROVED

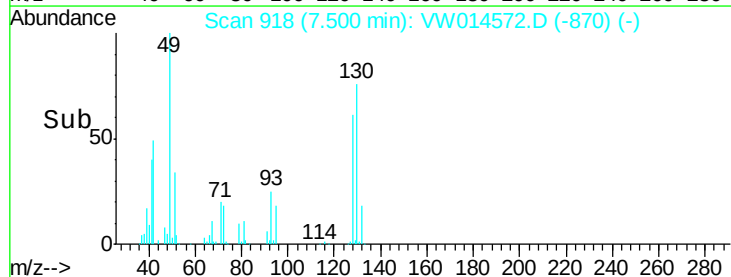
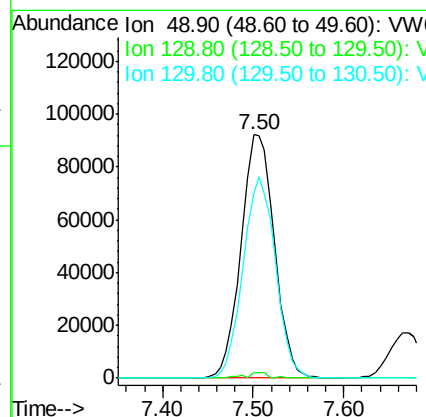
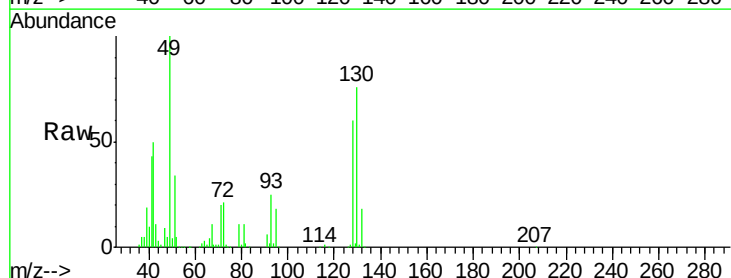
MMDadoda
1/10/2020 10:40:42 AM

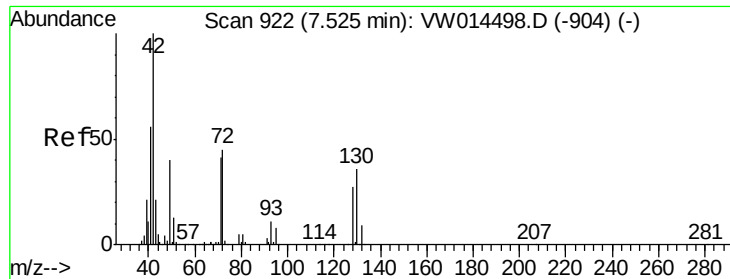


#28

Bromochloromethane
Concen: 50.805 ug/l
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	235895		
129	1.3	0.0	2.0	
130	80.3	62.5	93.7	





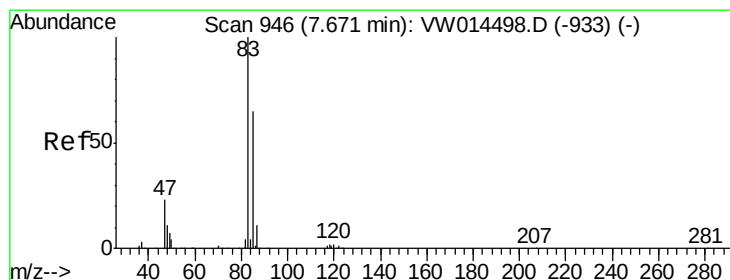
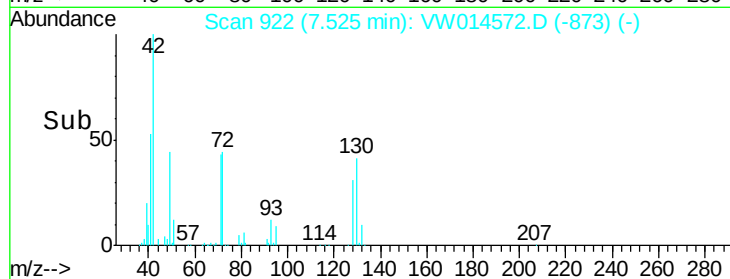
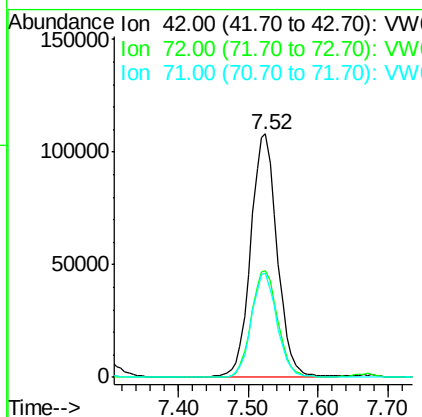
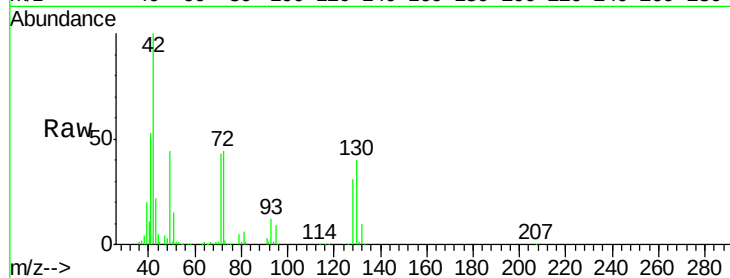
#29
Tetrahydrofuran
Concen: 219.143 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.5	51.7
71	41.5	32.0	48.0

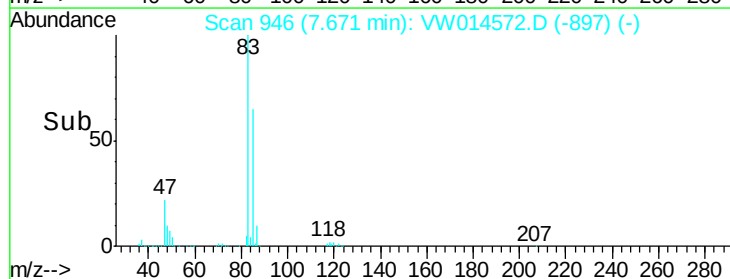
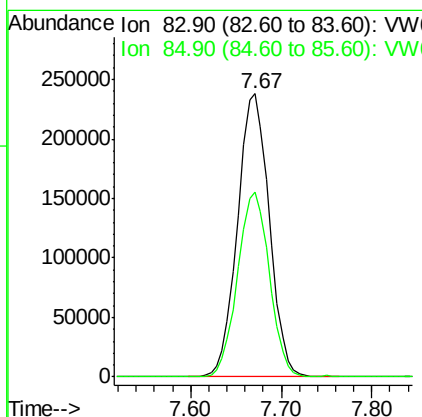
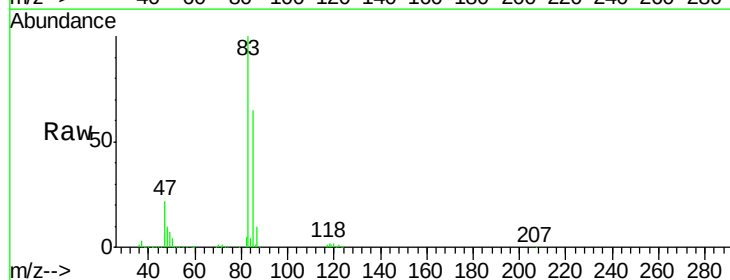
Manual Integrations
APPROVED

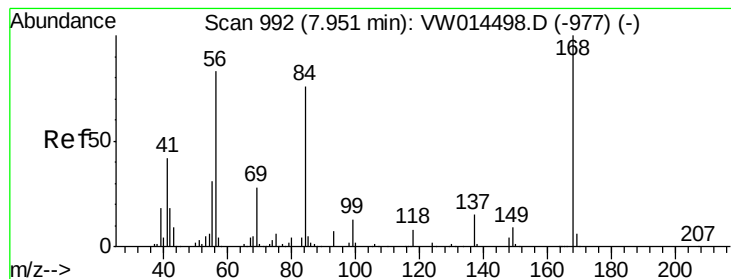
MMDadoda
1/10/2020 10:40:42 AM



#30
Chloroform
Concen: 52.125 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.2





#31

Cyclohexane

Concen: 49.227 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

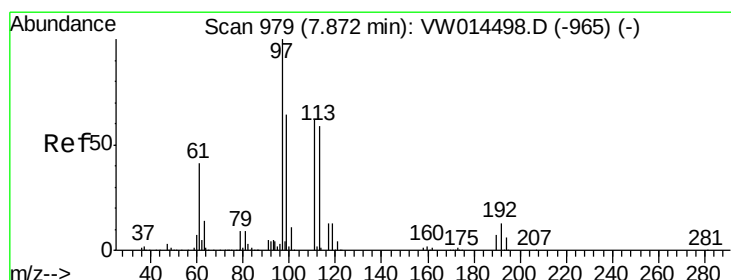
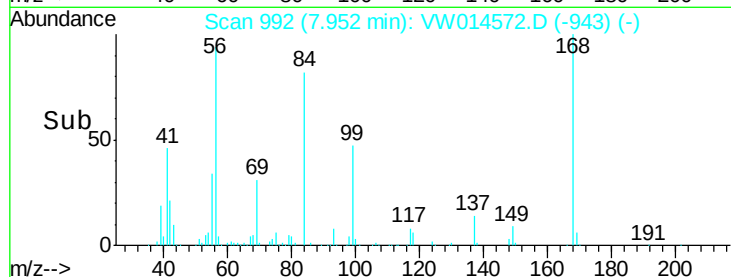
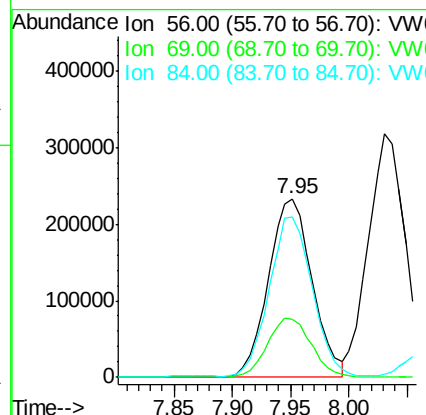
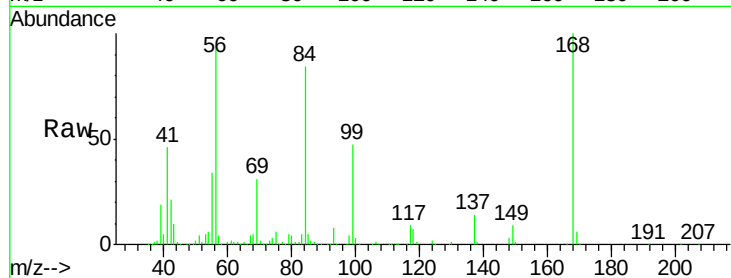
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	605893
Ion Ratio	Lower	Upper	
56	100		
69	32.7	26.8	40.2
84	88.8	71.8	107.6

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM



#32

1,1,1-Trichloroethane

Concen: 52.997 ug/l

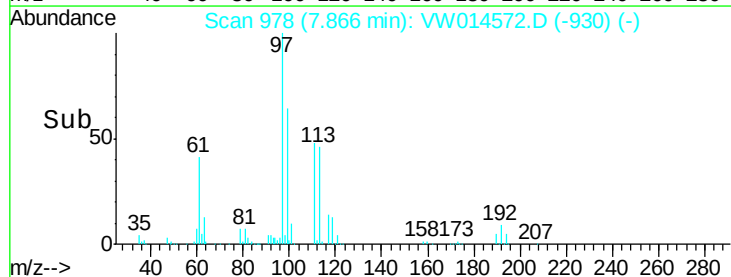
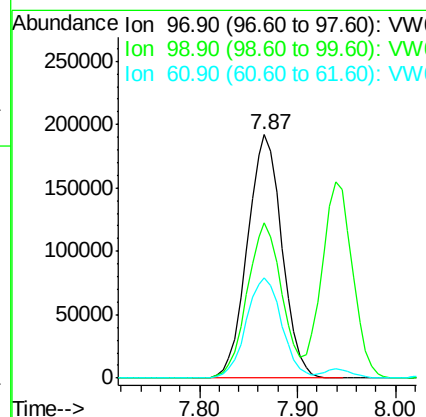
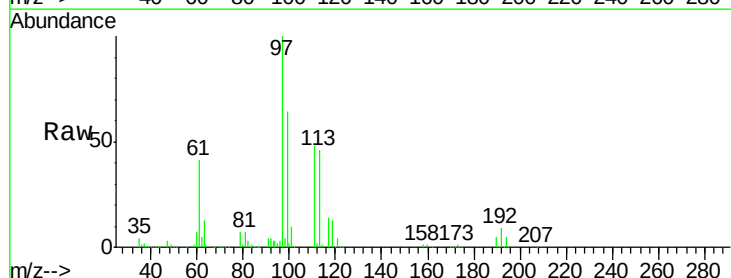
RT: 7.87 min Scan# 978

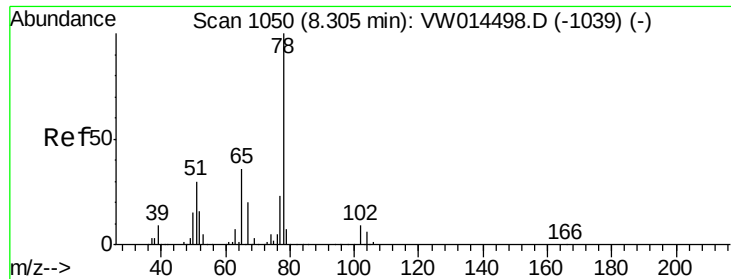
Delta R.T. -0.01 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tgt Ion:	97	Resp:	472057
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.8	77.6
61	42.2	33.8	50.8





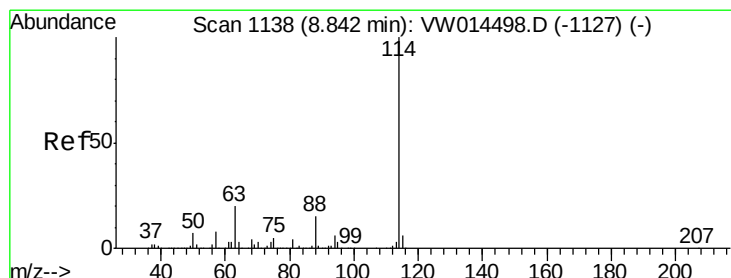
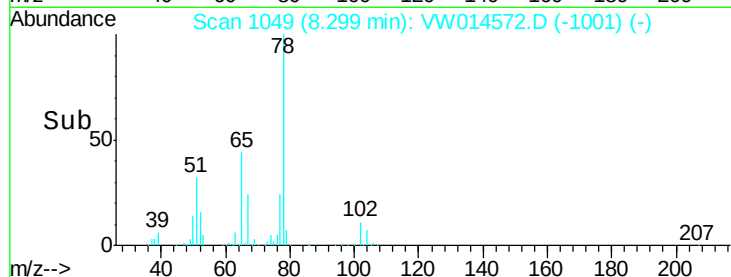
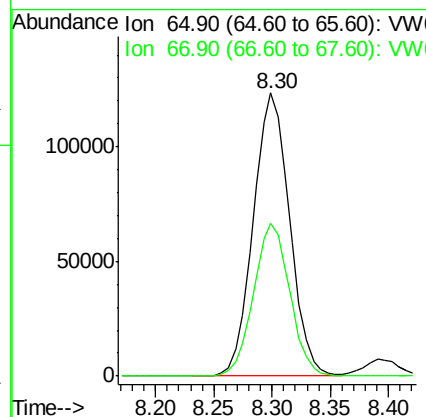
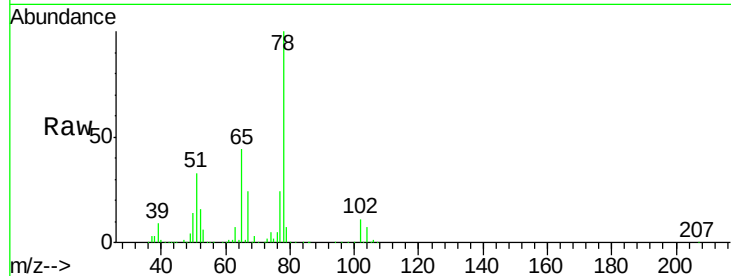
#33
 1,2-Dichloroethane-d4
 Concen: 46.687 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	269249		
67	53.6	0.0	108.4	

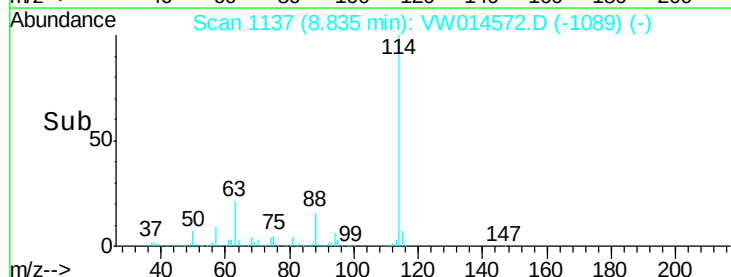
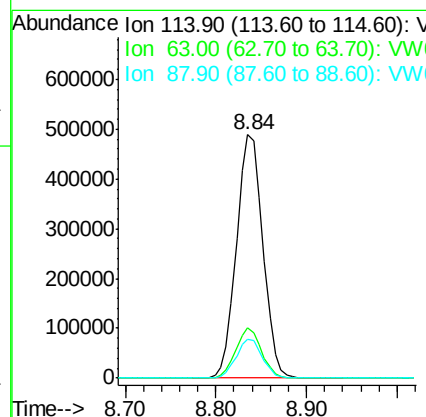
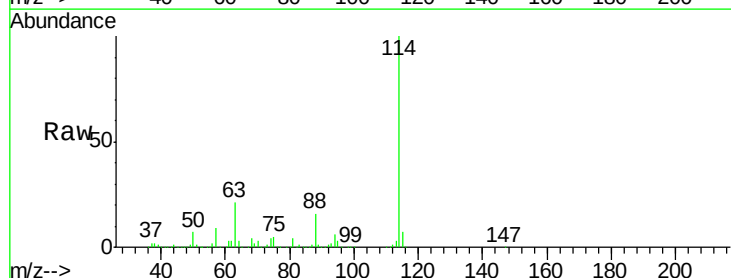
Manual Integrations
 APPROVED

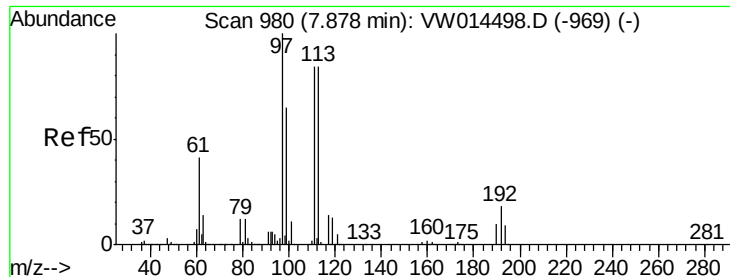
MMDadoda
 1/10/2020 10:40:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	986029		
63	20.6	0.0	40.4	
88	15.7	0.0	30.6	





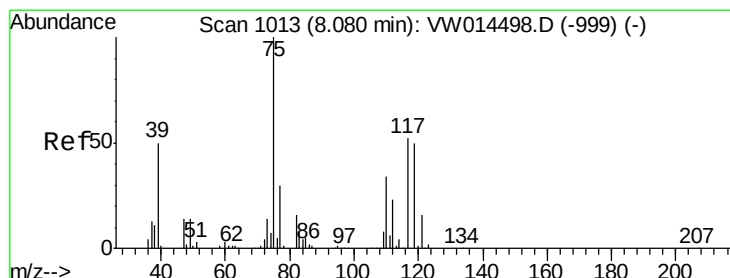
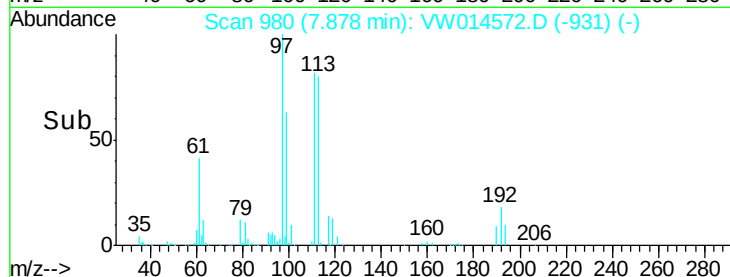
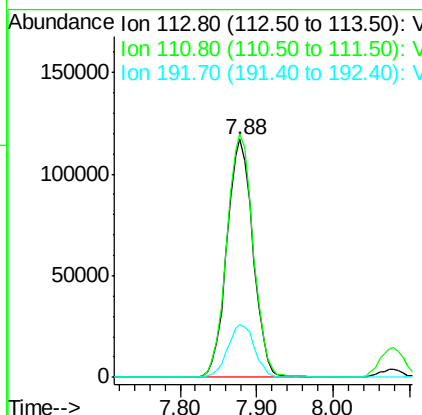
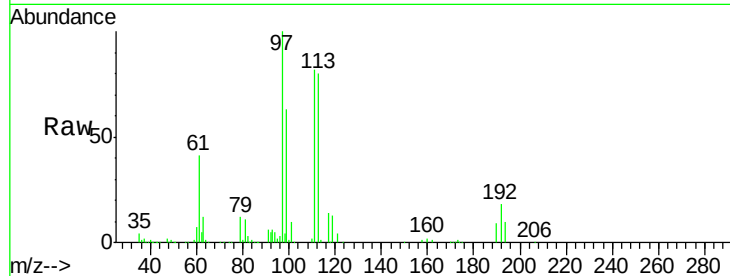
#35
Dibromofluoromethane
Concen: 49.033 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.2
192	22.7	17.8	26.8

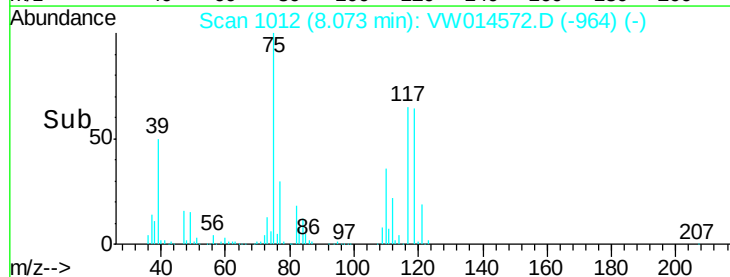
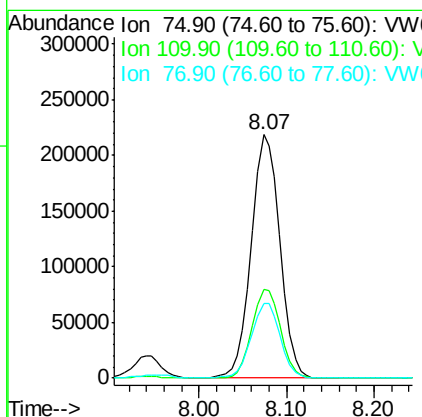
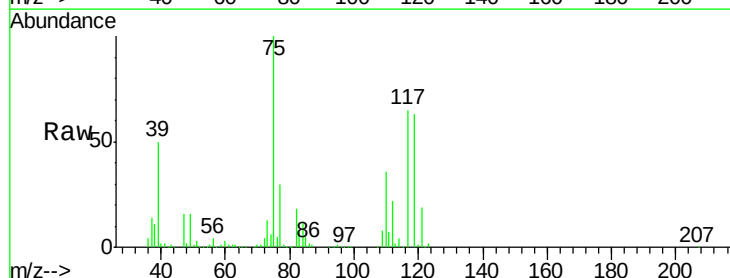
Manual Integrations
APPROVED

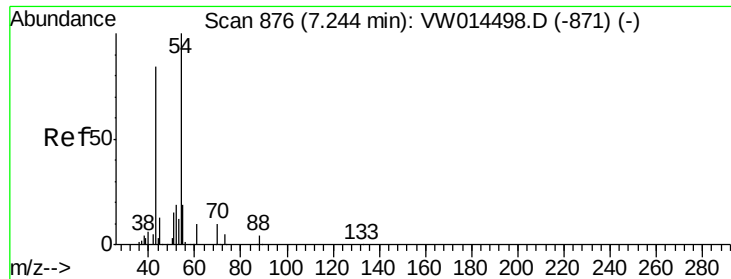
MMDadoda
1/10/2020 10:40:42 AM



#36
1,1-Dichloropropene
Concen: 52.232 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.8	53.5
77	31.1	24.7	37.1





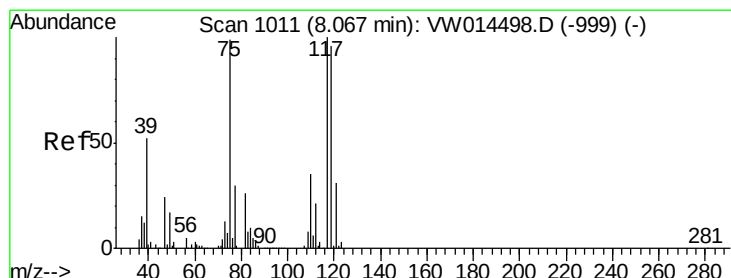
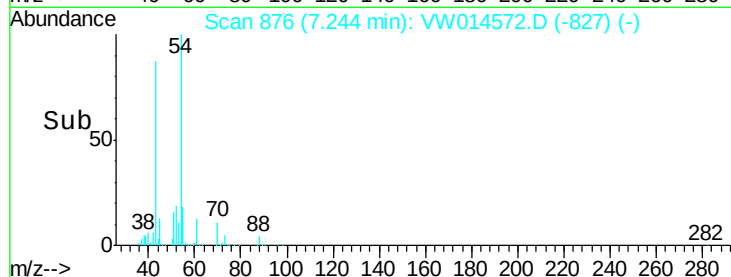
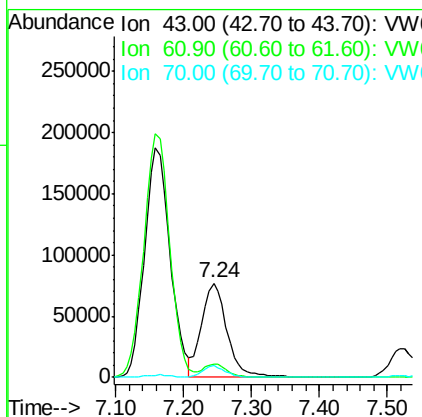
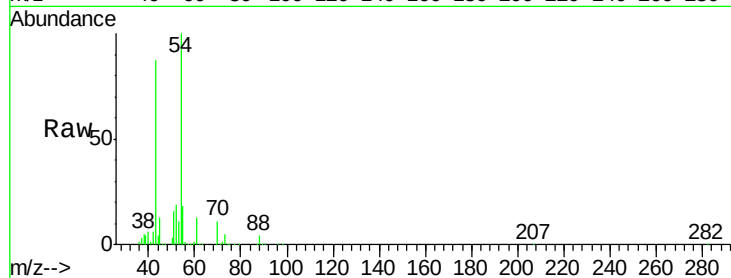
#37
Ethyl Acetate
Concen: 46.149 ug/l
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.7	17.5
70	10.6	9.0	13.6

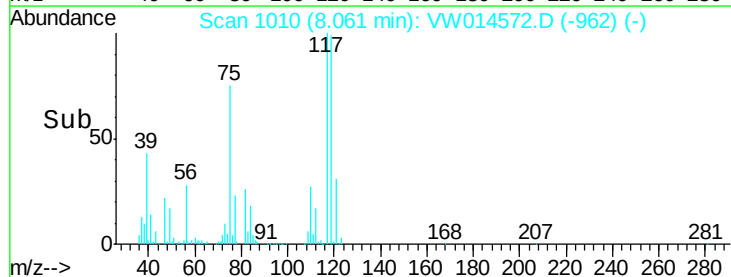
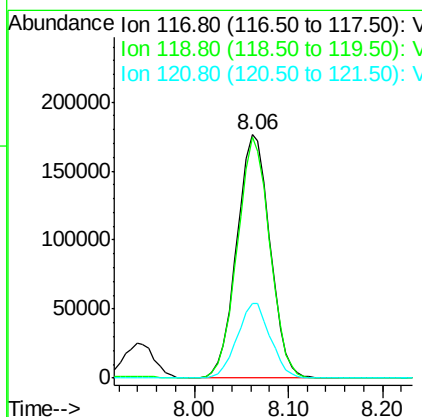
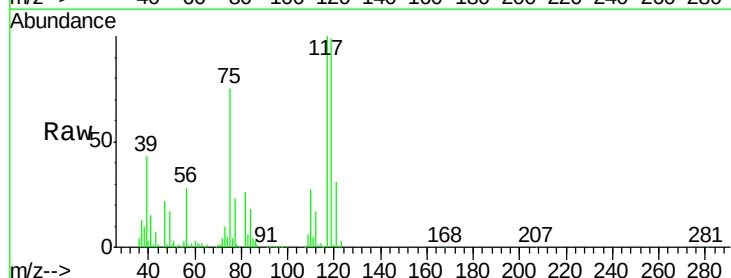
Manual Integrations
APPROVED

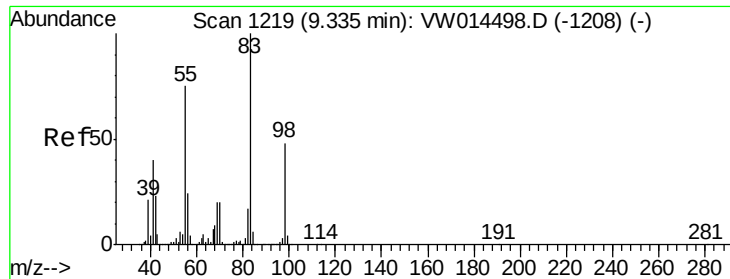
MMDadoda
1/10/2020 10:40:42 AM



#38
Carbon Tetrachloride
Concen: 52.465 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	77.0	115.6
121	30.7	24.6	36.8





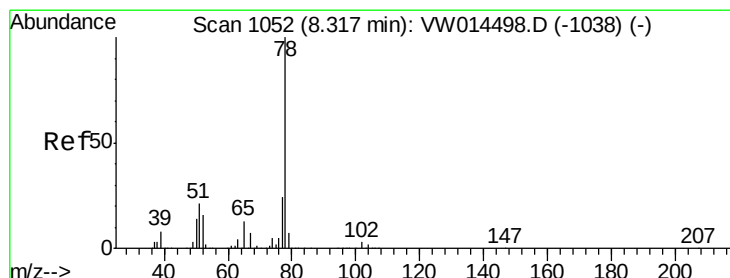
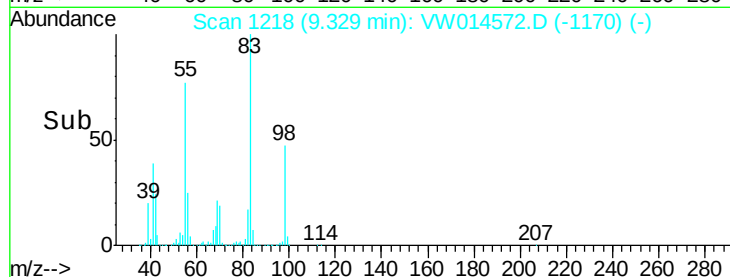
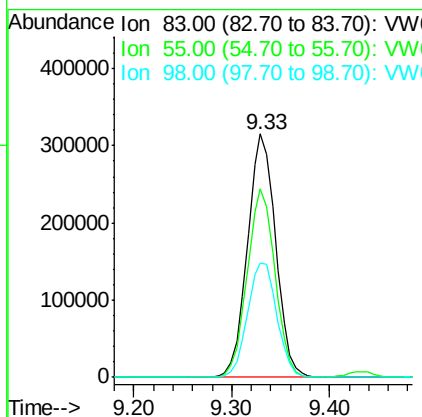
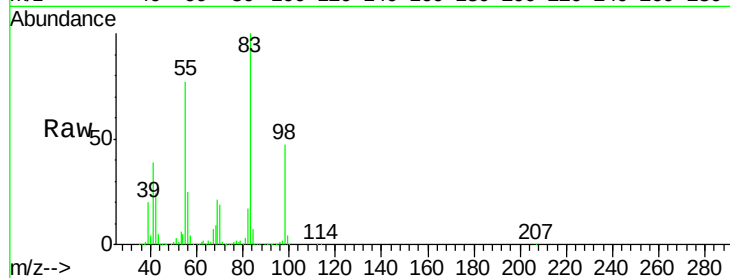
#39
Methylvlcyclohexane
Concen: 51.779 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	60.1	90.1
98	47.1	38.8	58.2

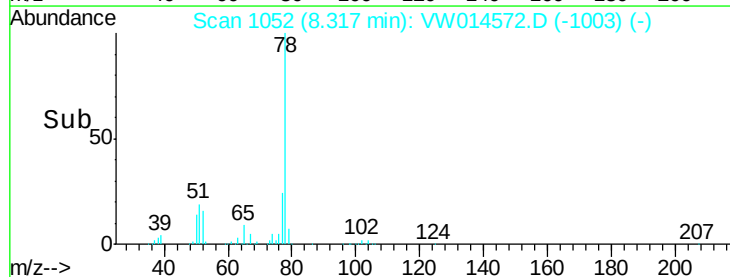
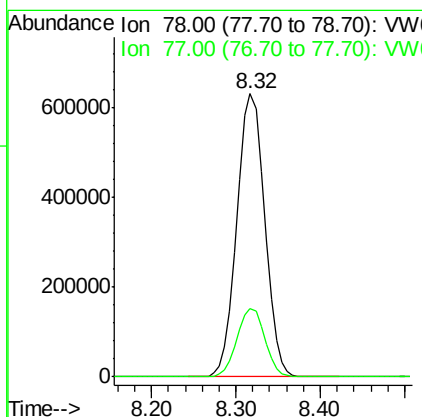
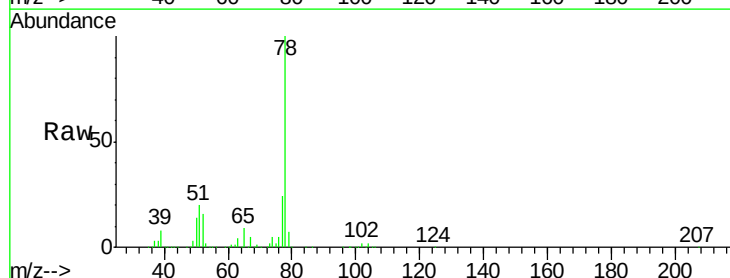
Manual Integrations
APPROVED

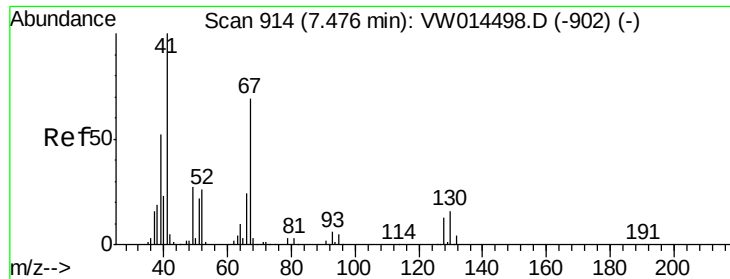
MMDadoda
1/10/2020 10:40:42 AM



#40
Benzene
Concen: 52.427 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





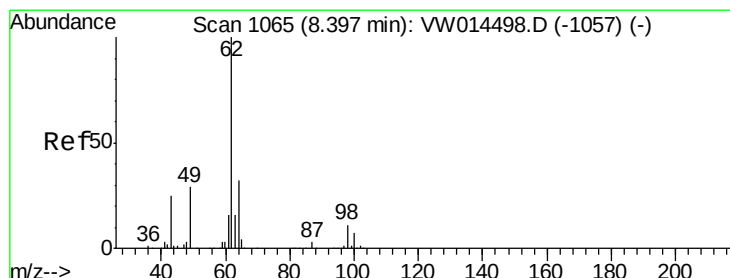
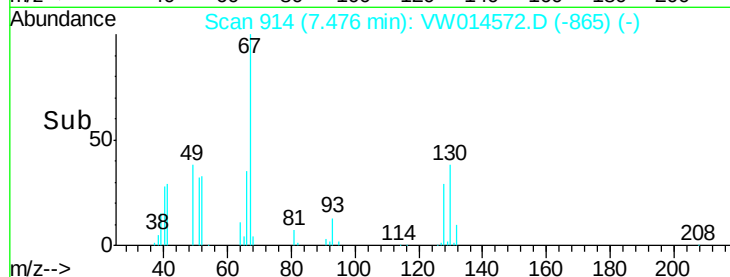
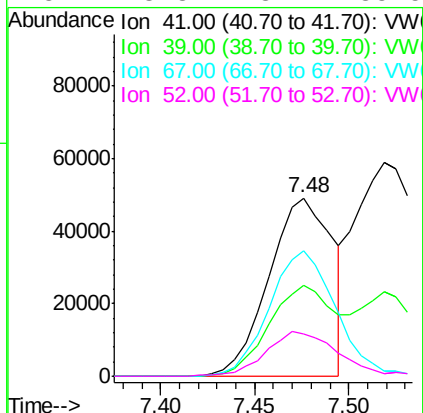
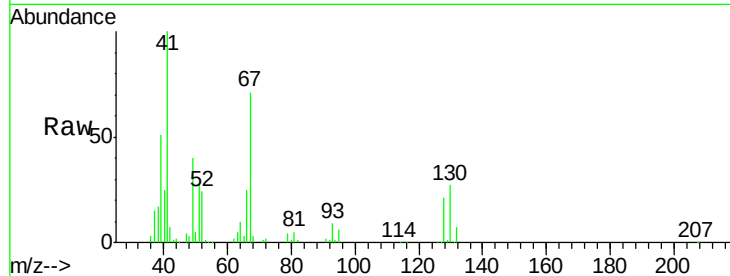
#41
Methacrylonitrile
Concen: 47.935 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	115197
Ion	Ratio	Lower	Upper
41	100		
39	55.9	46.0	69.0
67	74.2	60.8	91.2
52	28.8	23.7	35.5

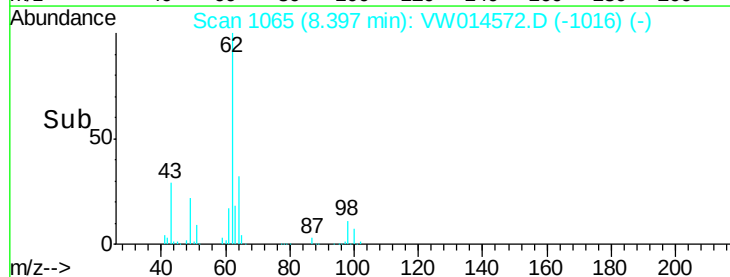
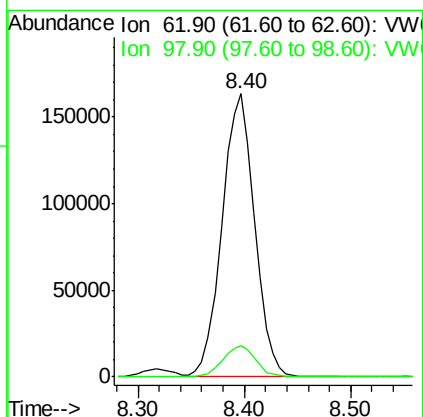
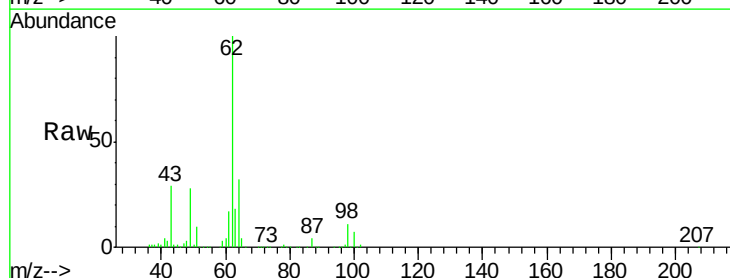
Manual Integrations
APPROVED

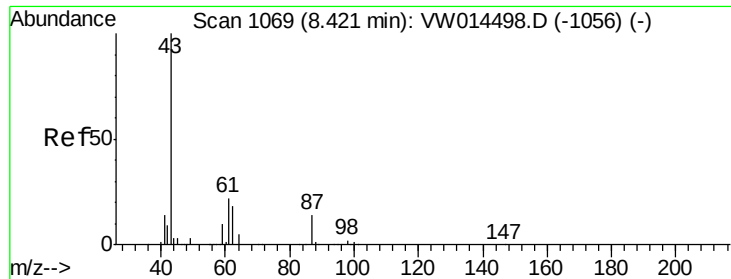
MMDadoda
1/10/2020 10:40:42 AM



#42
1,2-Dichloroethane
Concen: 49.900 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	62	Resp	348276
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.0





#43

Isopropyl Acetate

Concen: 46.219 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

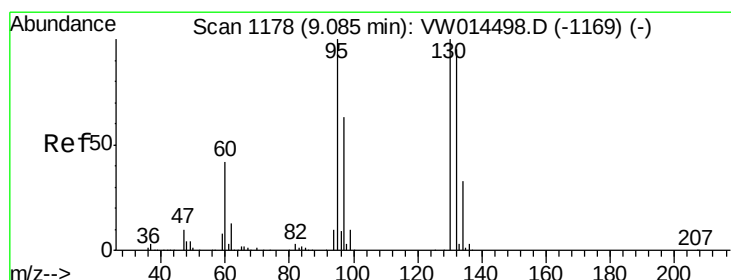
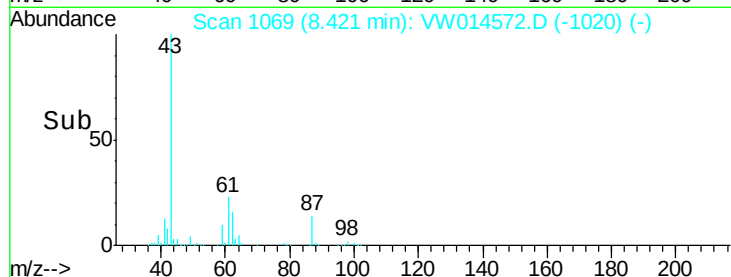
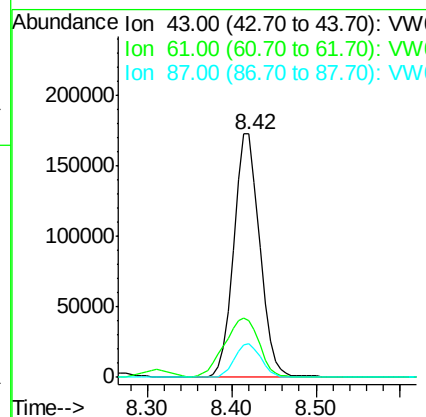
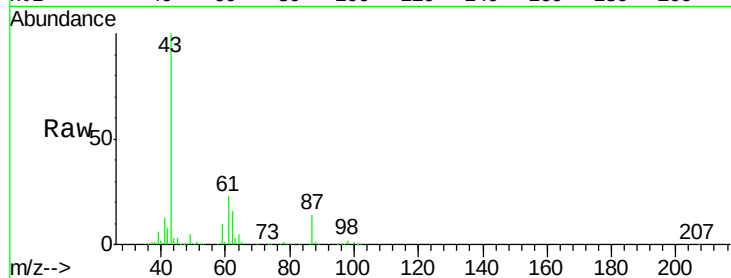
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	361832
Ion	Ratio	Lower	Upper
43	100		
61	32.5	24.7	37.1
87	13.9	11.1	16.7

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM



#44

Trichloroethene

Concen: 52.622 ug/l

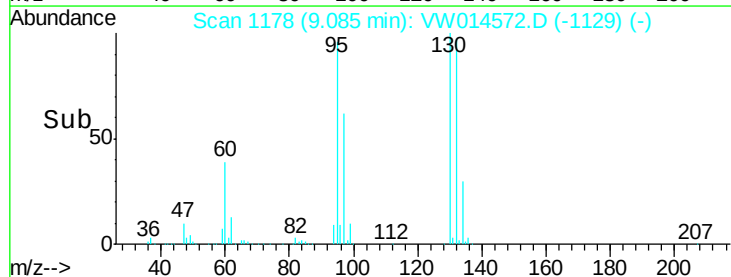
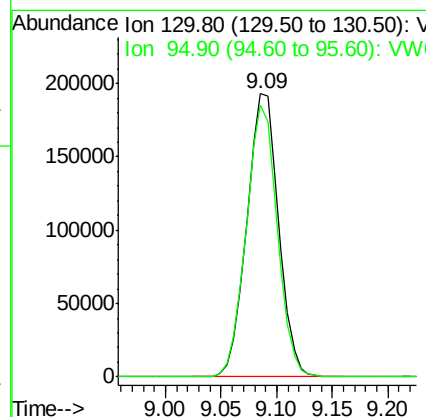
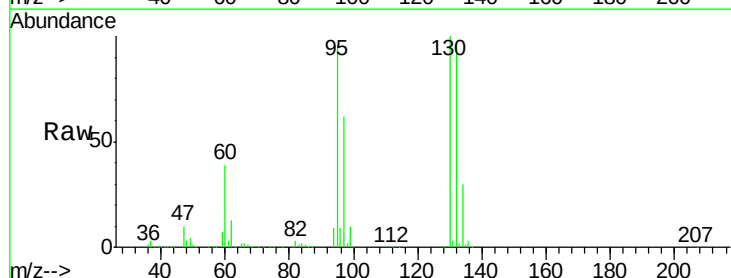
RT: 9.09 min Scan# 1178

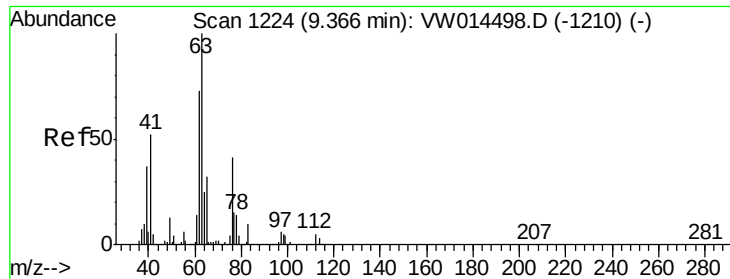
Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tgt Ion:	130	Resp:	382967
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	199.4





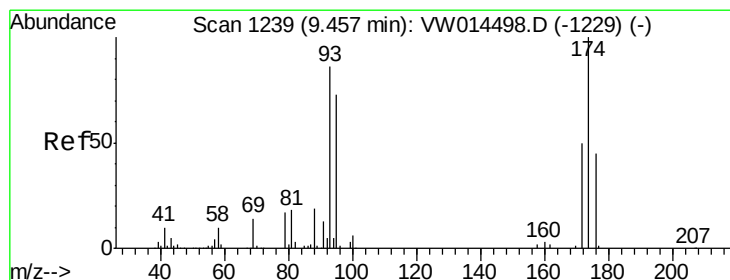
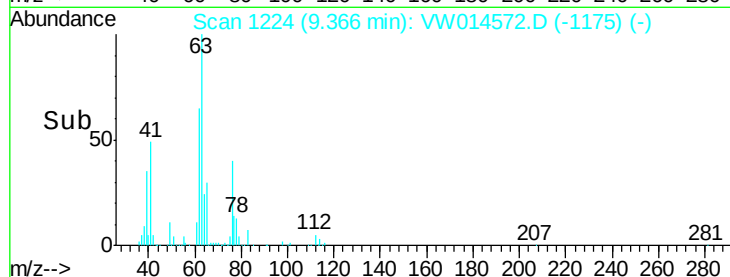
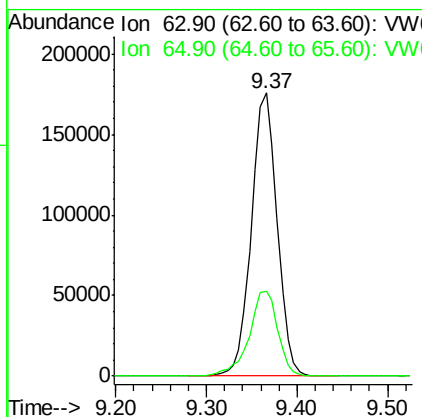
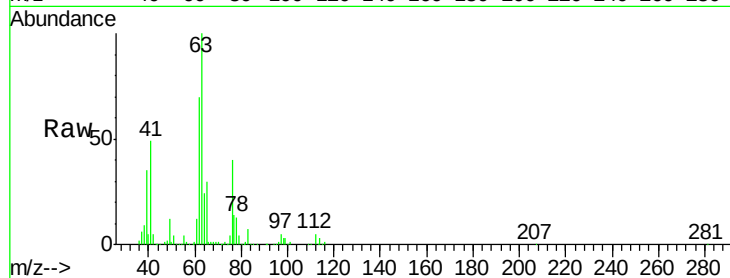
#45
 1,2-Dichloropropane
 Concen: 52.441 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	346100
Ion Ratio	Lower	Upper	
63	100		
65	30.2	25.6	38.4

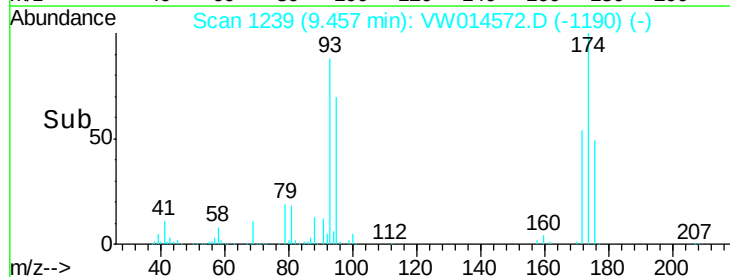
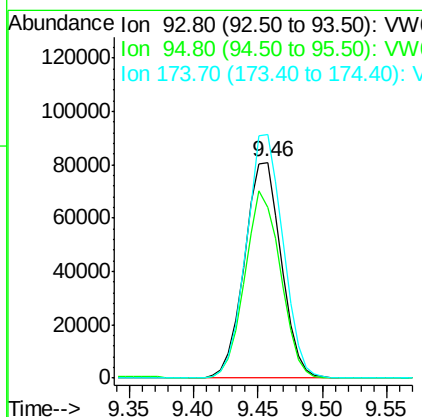
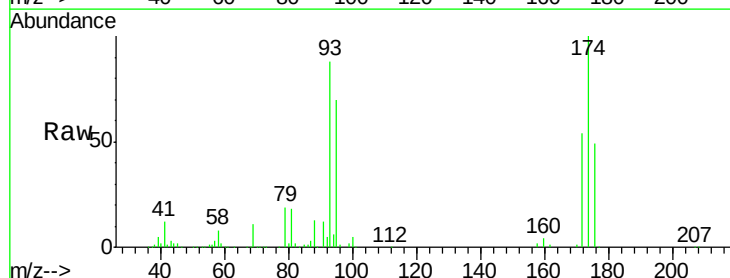
Manual Integrations
 APPROVED

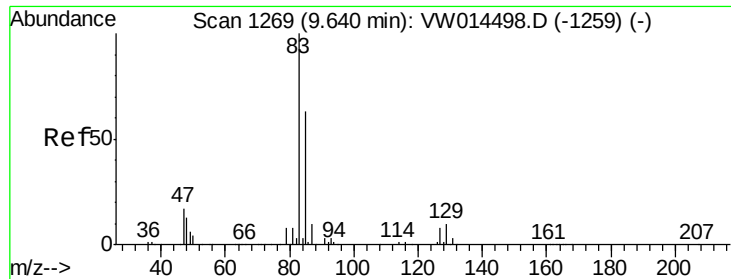
MMDadoda
 1/10/2020 10:40:42 AM



#46
 Dibromomethane
 Concen: 49.075 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Tgt Ion	93	Resp	159894
Ion Ratio	Lower	Upper	
93	100		
95	84.1	66.4	99.6
174	112.6	89.1	133.7





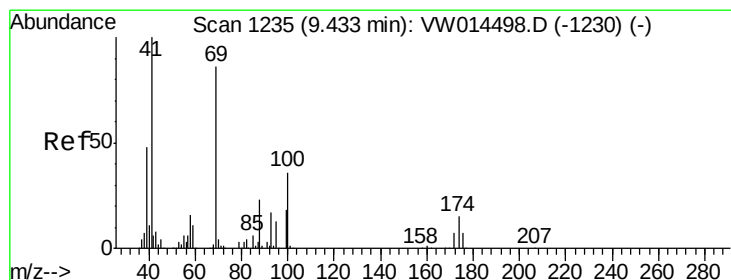
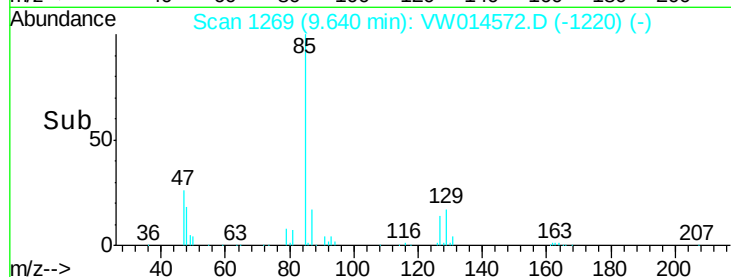
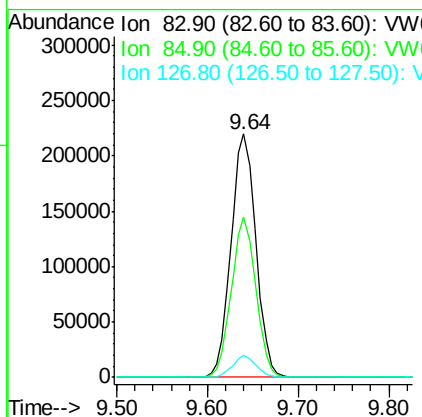
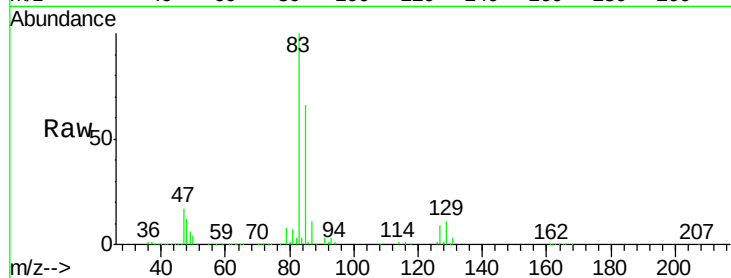
#47
Bromodichloromethane
Concen: 51.810 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.6	76.0
127	9.3	6.6	9.8

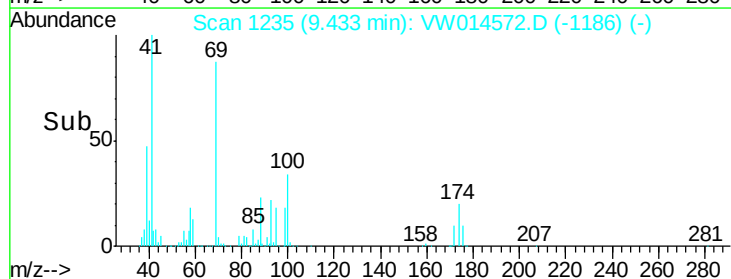
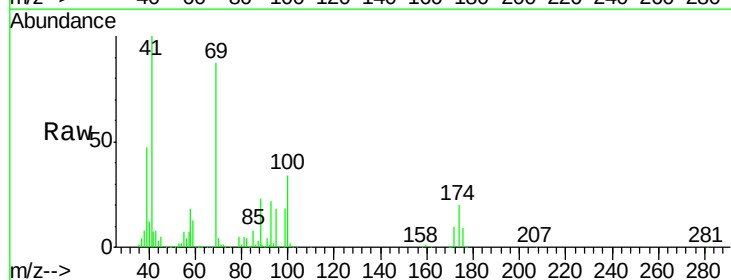
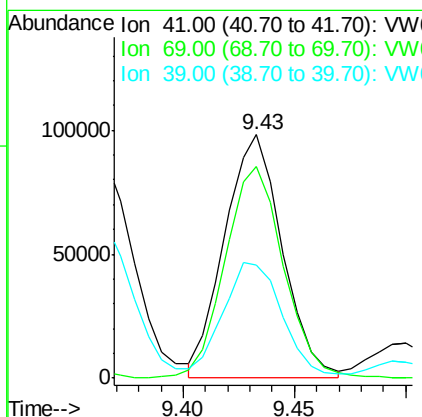
Manual Integrations
APPROVED

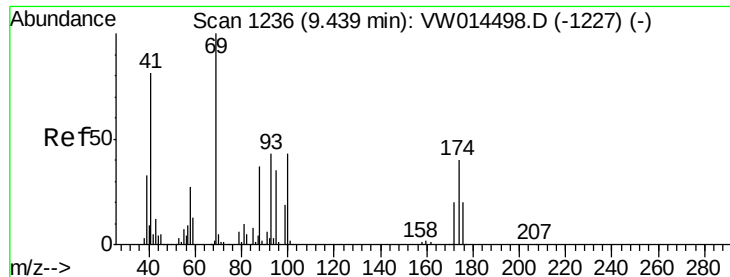
MMDadoda
1/10/2020 10:40:42 AM



#48
Methyl methacrylate
Concen: 46.310 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.0	68.3	102.5
39	45.7	36.8	55.2





#49

1,4-Dioxane

Concen: 906.950 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

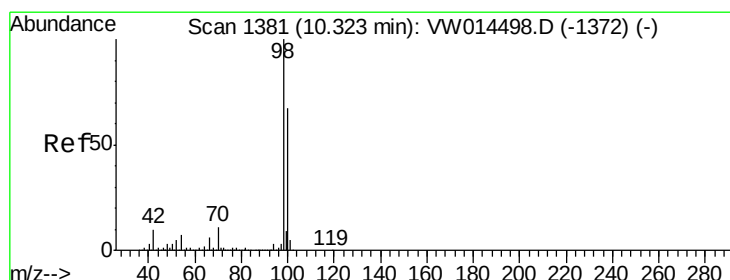
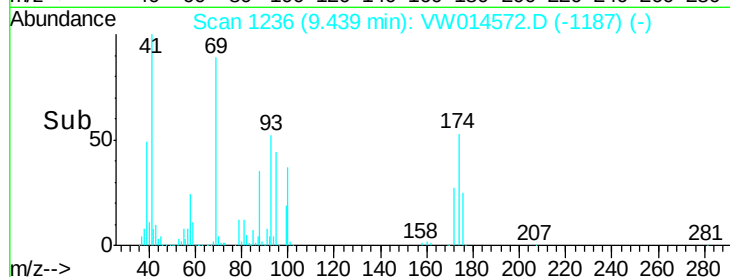
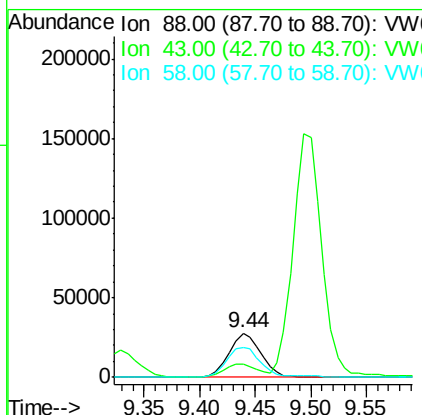
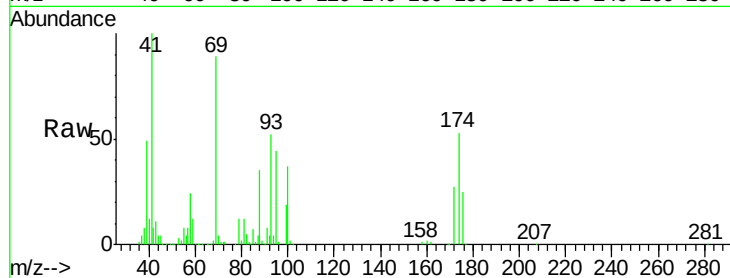
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	55268
Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.9	37.3
58	74.7	56.9	85.3

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM



#50

Toluene-d8

Concen: 49.421 ug/l

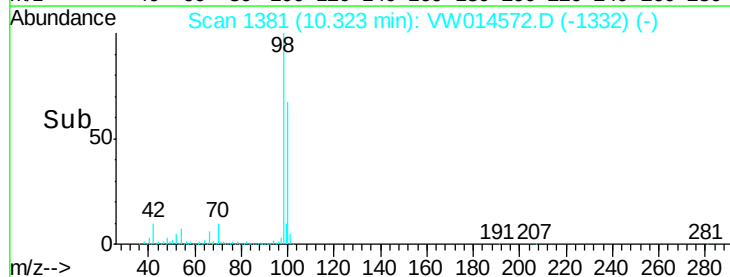
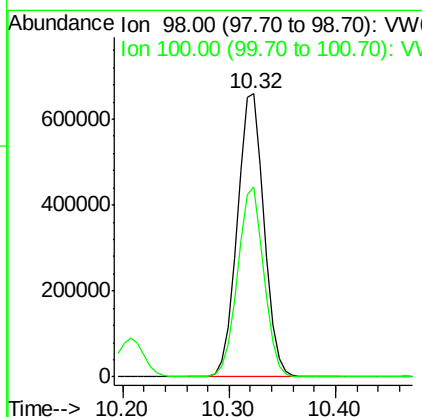
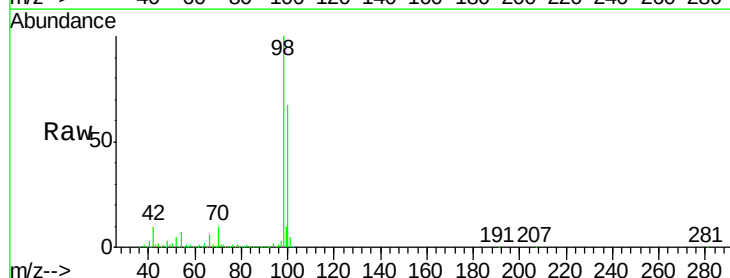
RT: 10.32 min Scan# 1381

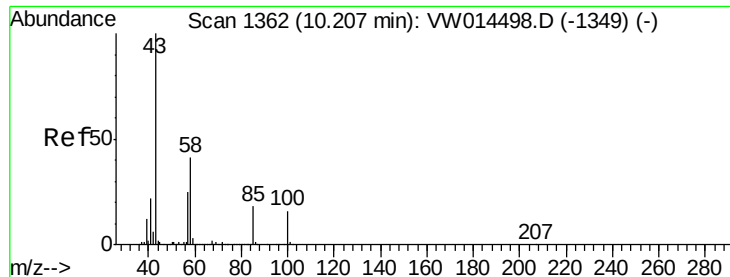
Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tgt Ion:	98	Resp:	1162274
Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 227.350 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 924271

Ion Ratio Lower Upper

43 100

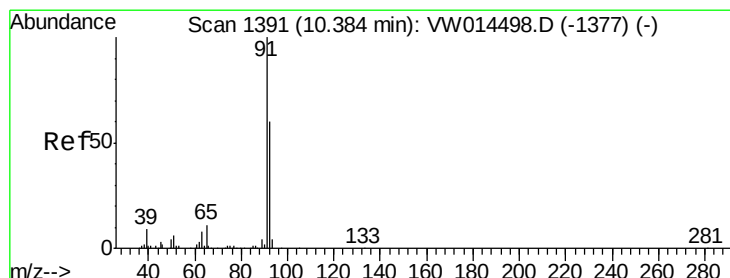
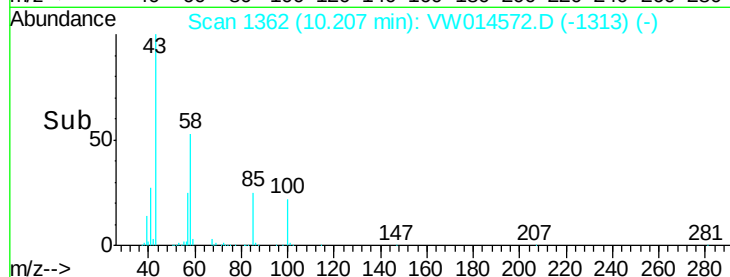
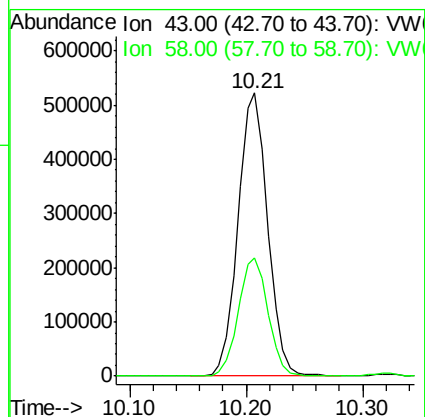
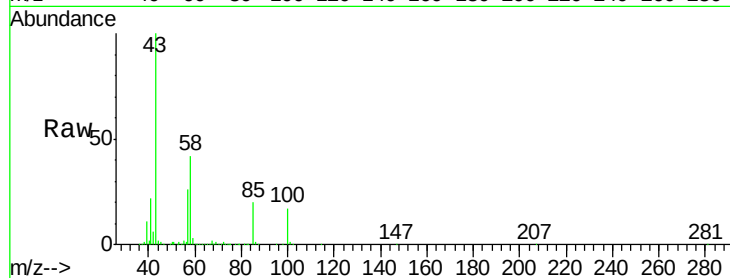
58 41.9 32.7 49.1

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:42 AM



#52

Toluene

Concen: 52.588 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014572.D

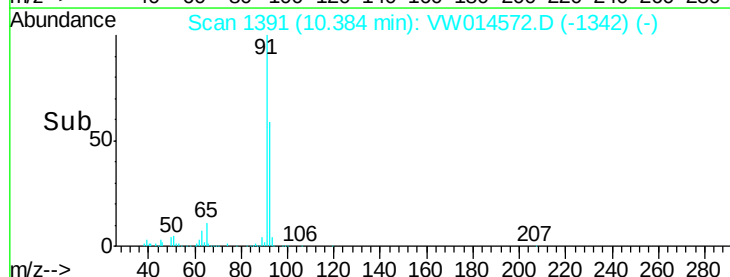
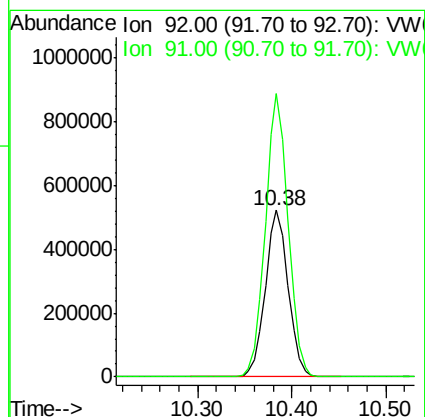
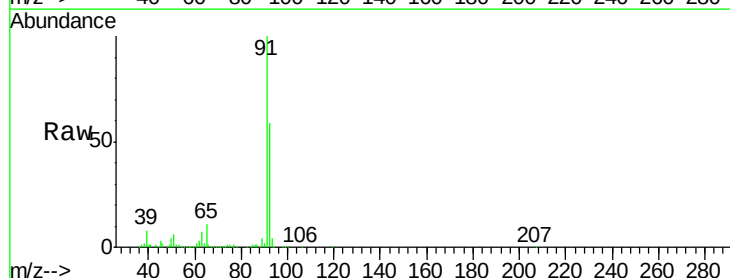
Acq: 09 Jan 2020 09:55

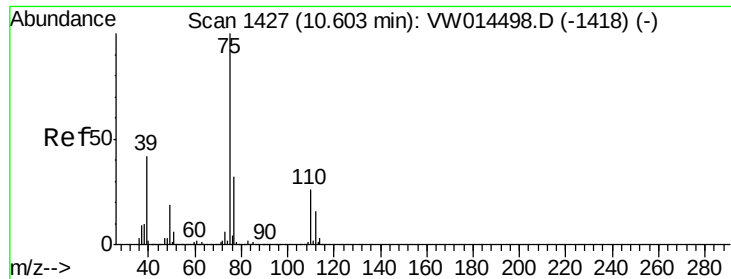
Tgt Ion: 92 Resp: 889798

Ion Ratio Lower Upper

92 100

91 169.6 134.1 201.1





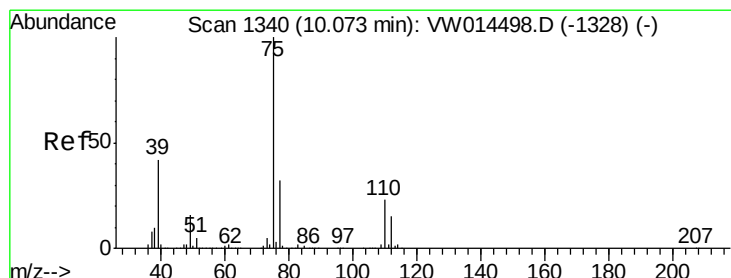
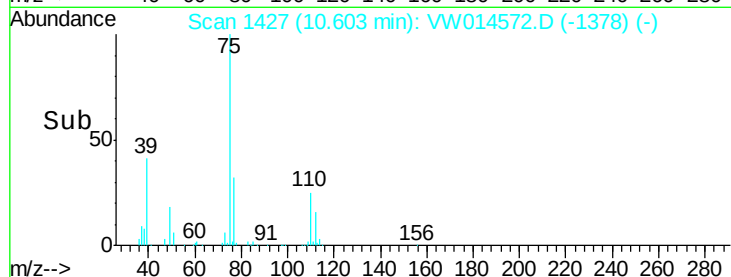
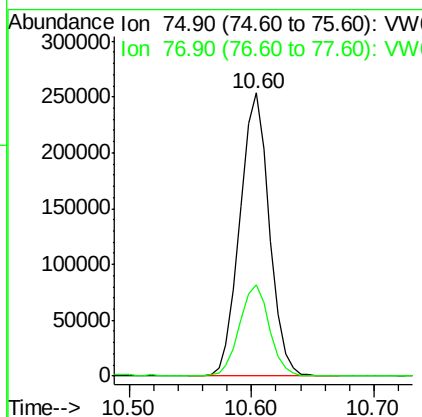
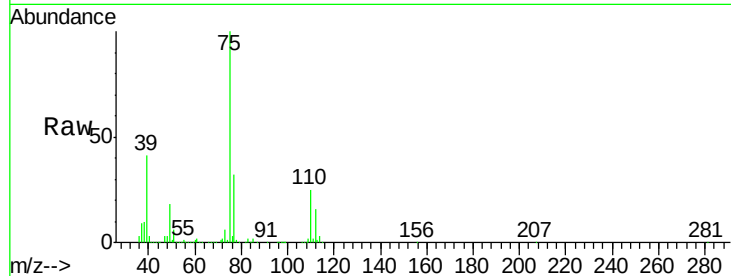
#53
t-1,3-Dichloropropene
Concen: 50.864 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2

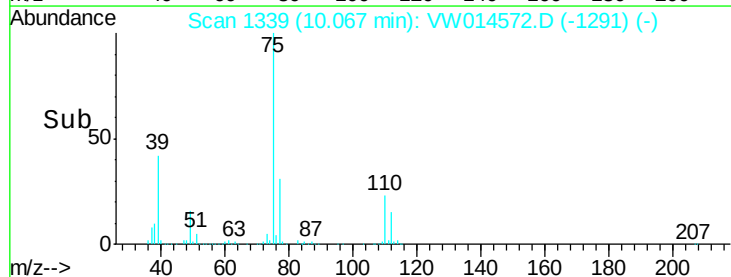
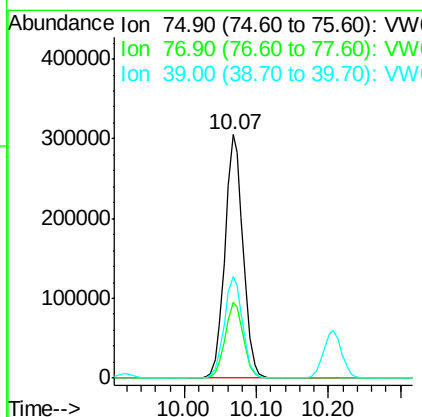
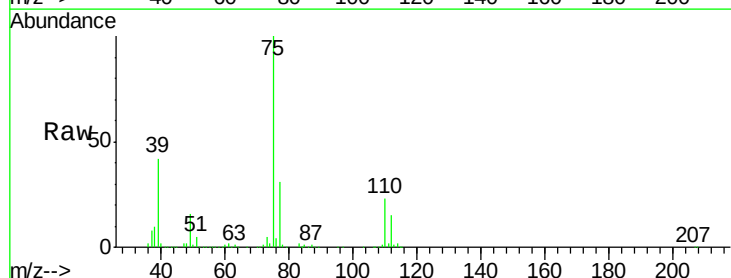
Manual Integrations
APPROVED

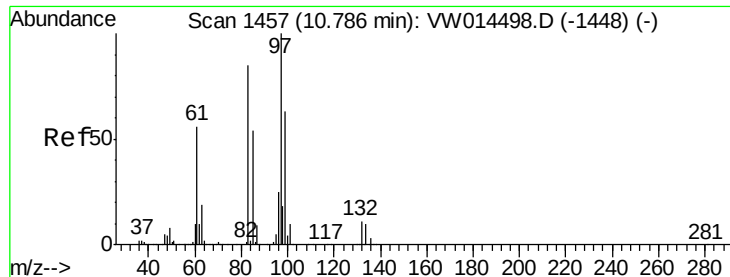
MMDadoda
1/10/2020 10:40:42 AM



#54
cis-1,3-Dichloropropene
Concen: 52.588 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	41.6	33.4	50.2





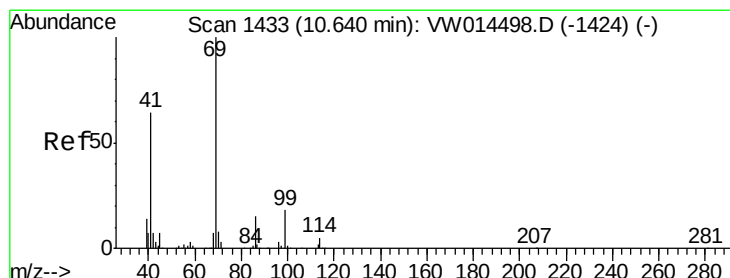
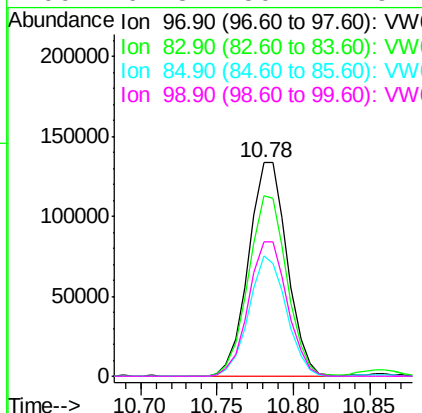
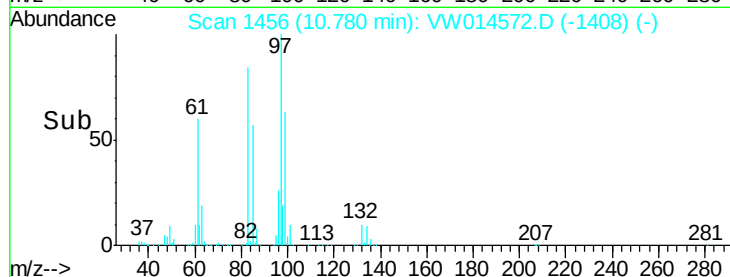
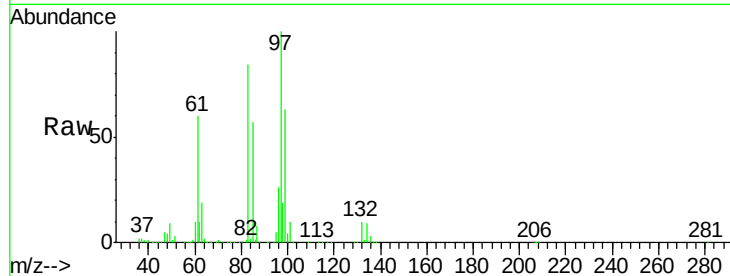
#55
 1,1,2-Trichloroethane
 Concen: 49.593 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		235982		
83	84.4	68.2	102.4		
85	56.6	43.0	64.4		
99	62.8	50.1	75.1		

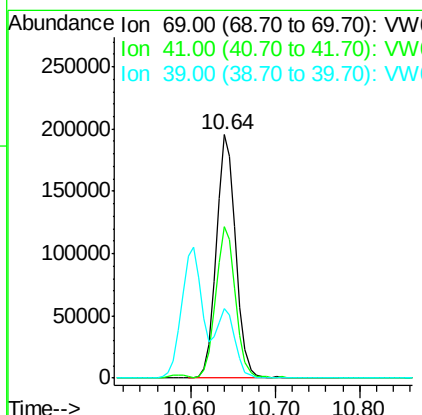
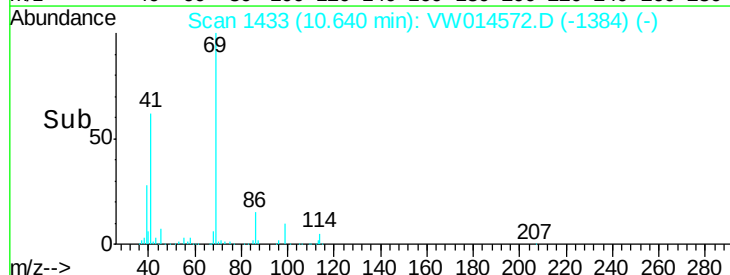
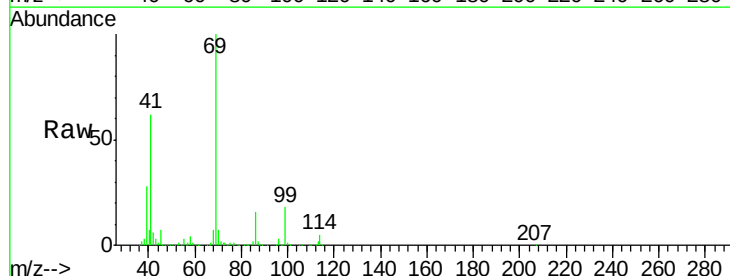
Manual Integrations
 APPROVED

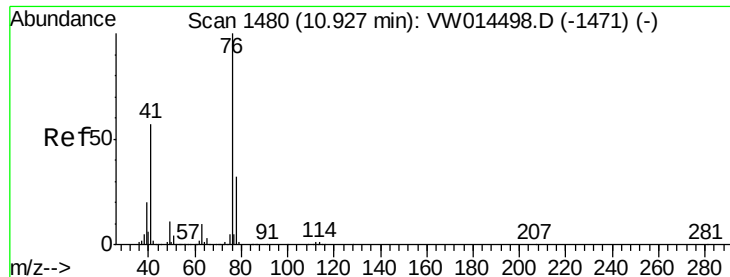
MMDadoda
 1/10/2020 10:40:42 AM



#56
 Ethyl methacrylate
 Concen: 50.250 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		310747		
41	62.9	51.3	76.9		
39	28.2	21.0	31.6		





#57

1,3-Dichloropropane

Concen: 49.538 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 414289

Ion Ratio Lower Upper

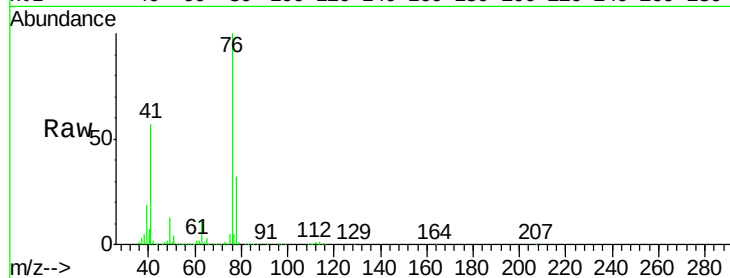
76 100

78 32.1 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

1/10/2020 10:40:42 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

250000

200000

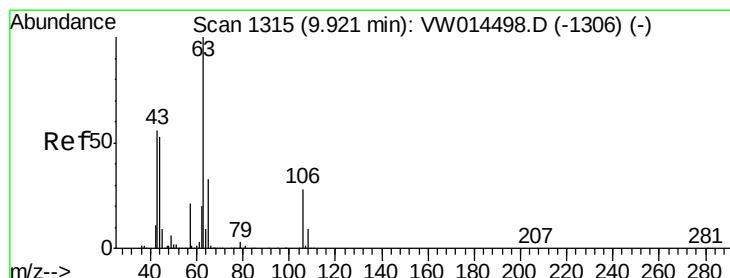
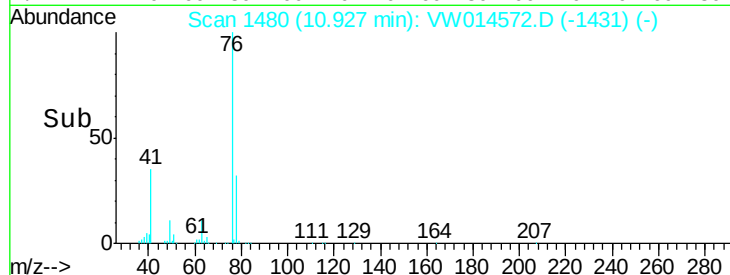
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 261.347 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014572.D

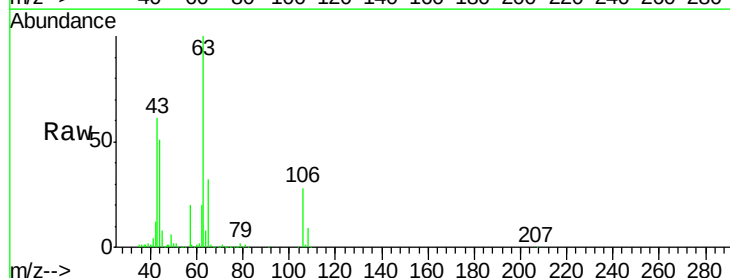
Acq: 09 Jan 2020 09:55

Tgt Ion: 63 Resp: 491534

Ion Ratio Lower Upper

63 100

106 29.1 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

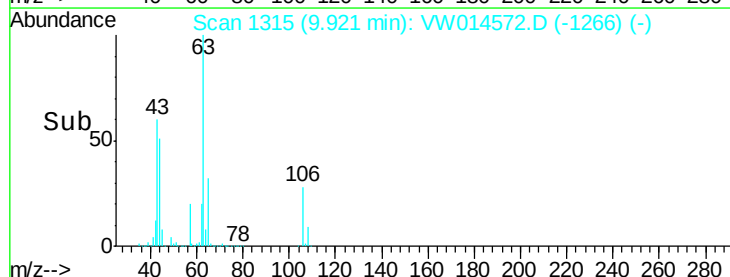
300000

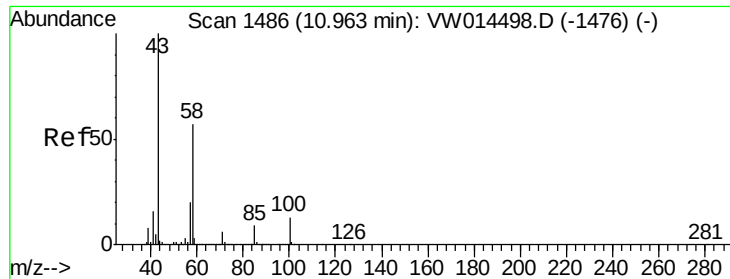
200000

100000

0

Time-->





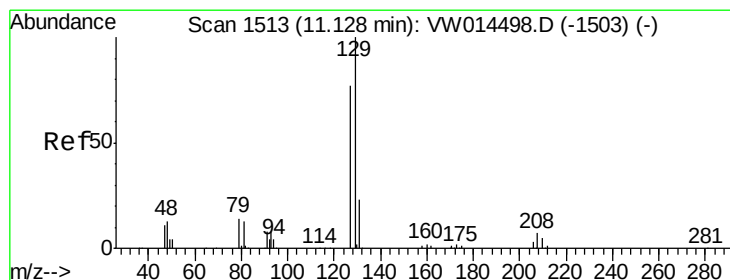
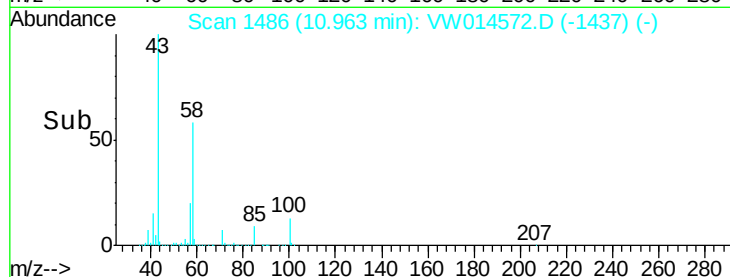
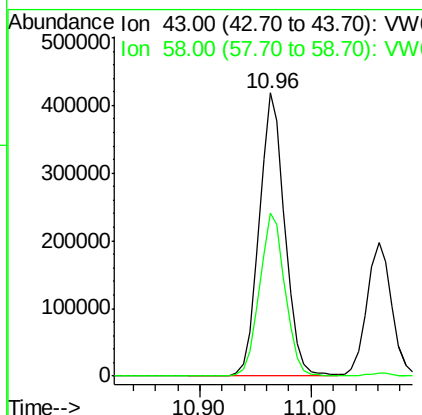
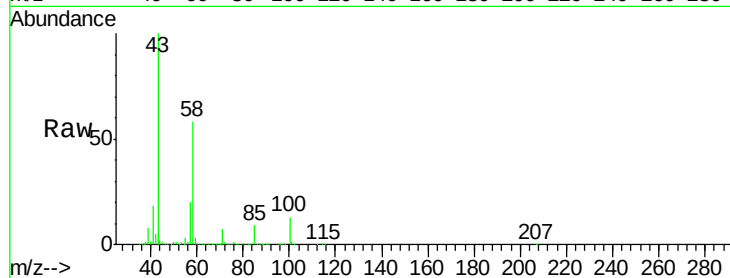
#59
2-Hexanone
Concen: 239.746 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 671632
Ion Ratio Lower Upper
43 100
58 57.6 28.7 86.3

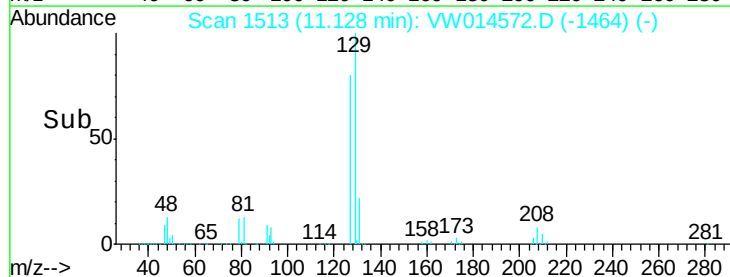
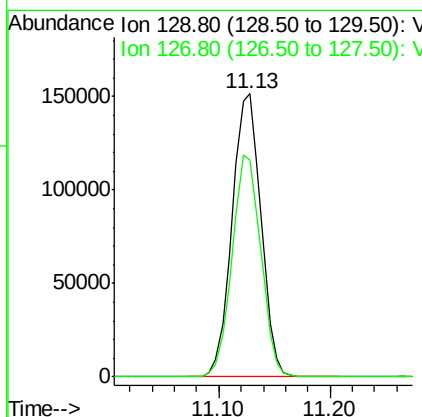
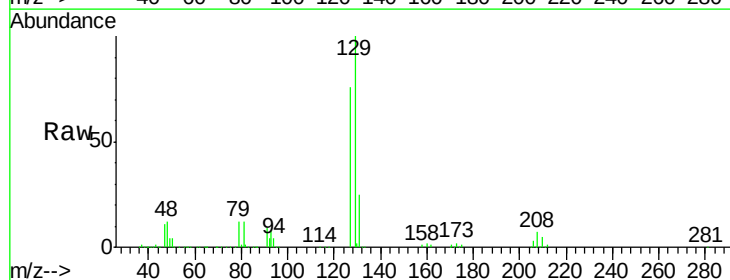
Manual Integrations
APPROVED

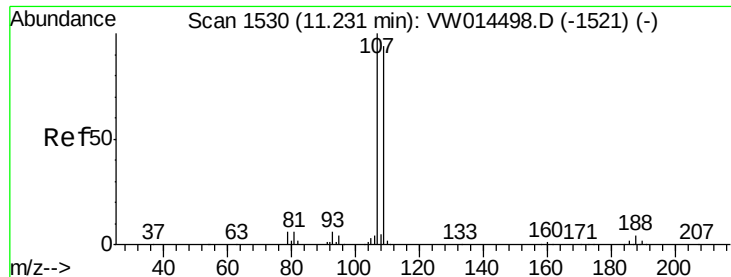
MMDadoda
1/10/2020 10:40:42 AM



#60
Dibromochloromethane
Concen: 50.641 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion: 129 Resp: 271887
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.5





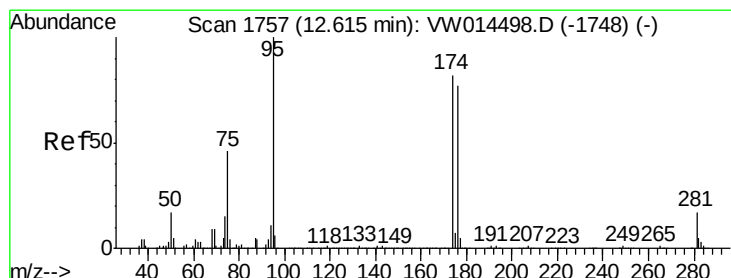
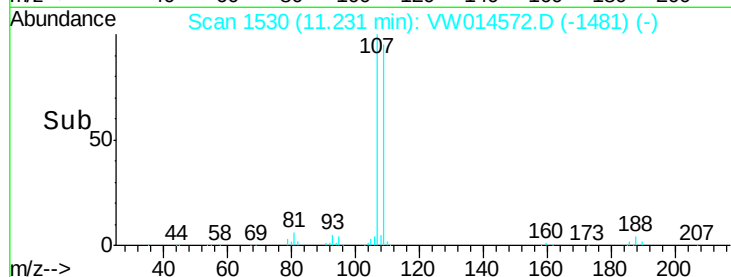
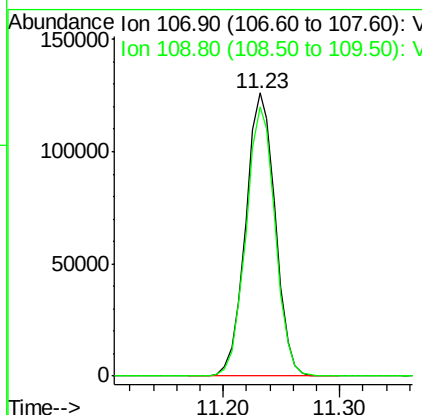
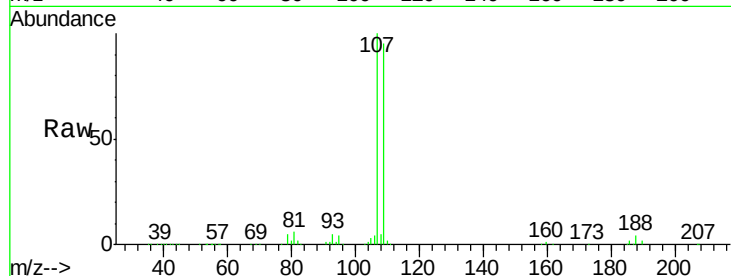
#61
 1,2-Dibromoethane
 Concen: 49.380 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.1	112.7

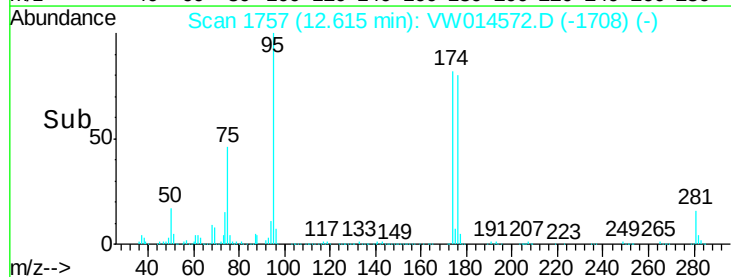
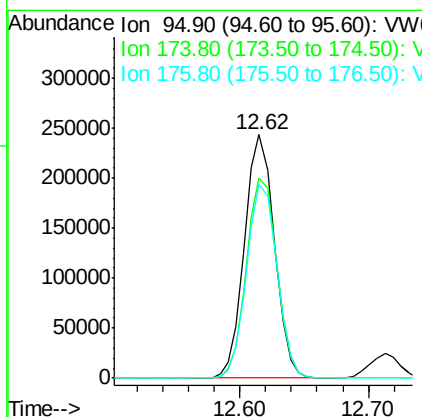
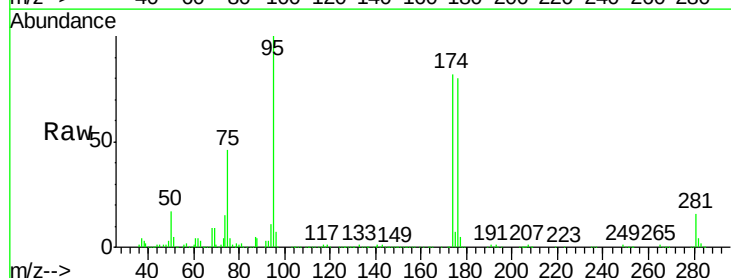
Manual Integrations
 APPROVED

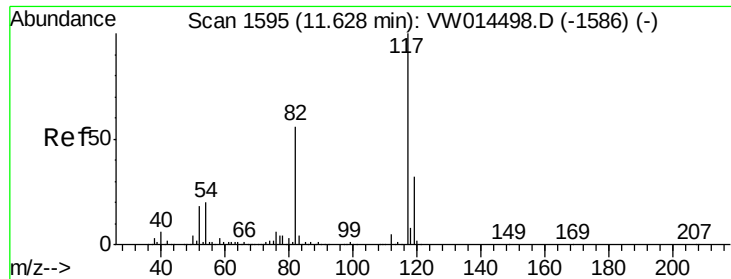
MMDadoda
 1/10/2020 10:40:42 AM



#62
 4-Bromofluorobenzene
 Concen: 48.769 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	168.6
176	81.0	0.0	162.0





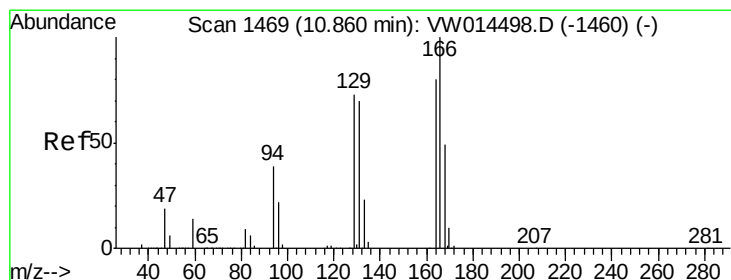
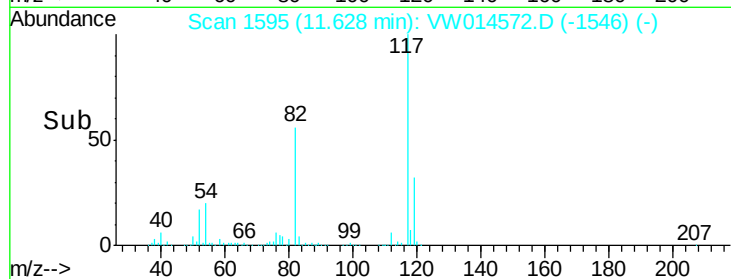
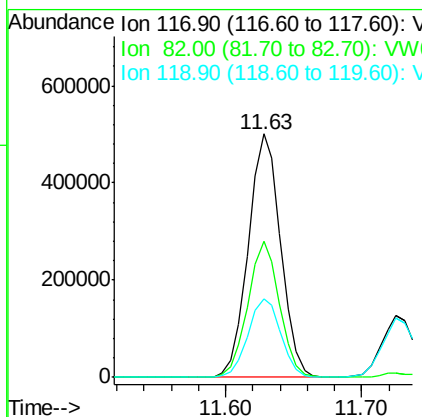
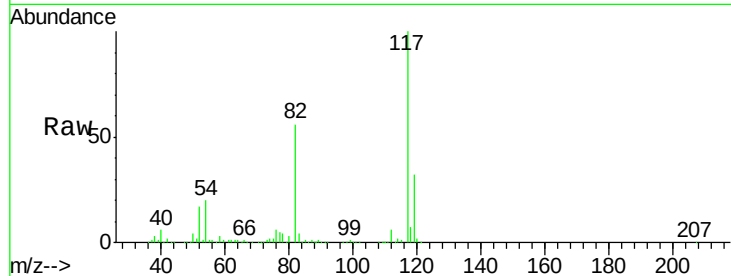
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	67.0
119	32.5	25.7	38.5

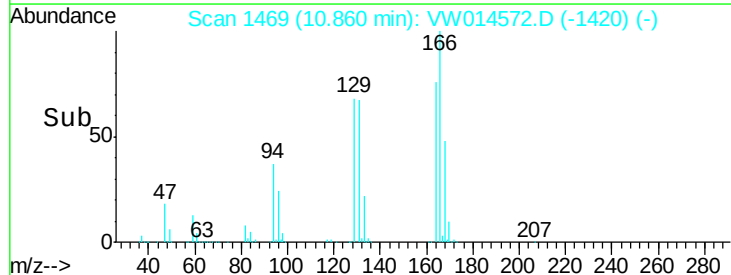
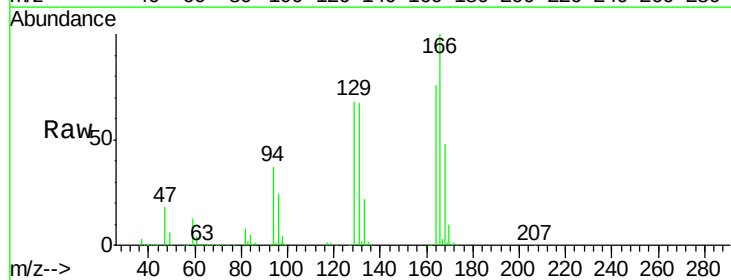
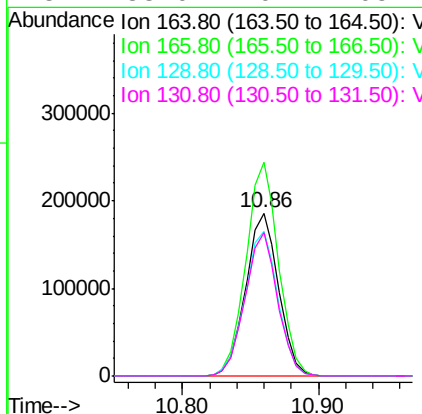
Manual Integrations
APPROVED

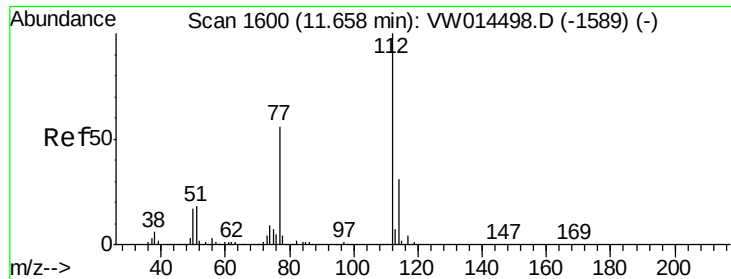
MMDadoda
1/10/2020 10:40:42 AM



#64
Tetrachloroethene
Concen: 51.991 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	99.8	149.6
129	89.1	72.4	108.6
131	88.0	70.1	105.1





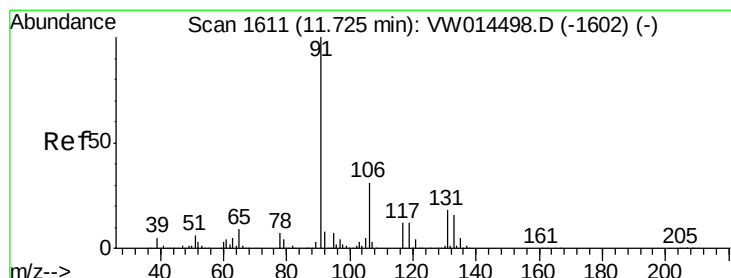
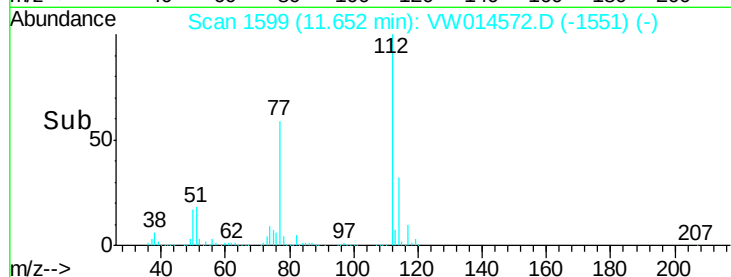
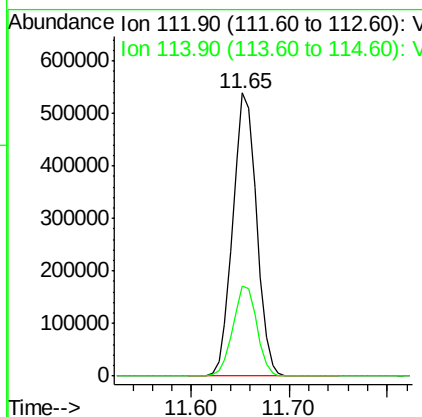
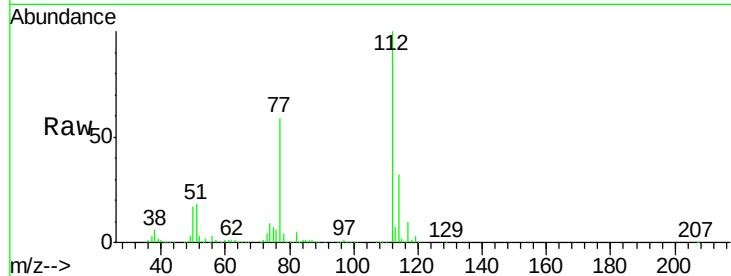
#65
Chlorobenzene
Concen: 53.216 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.6	37.0

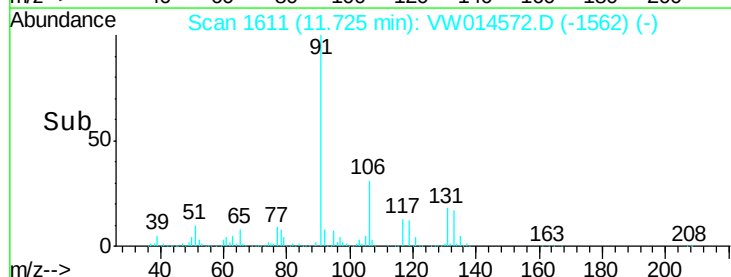
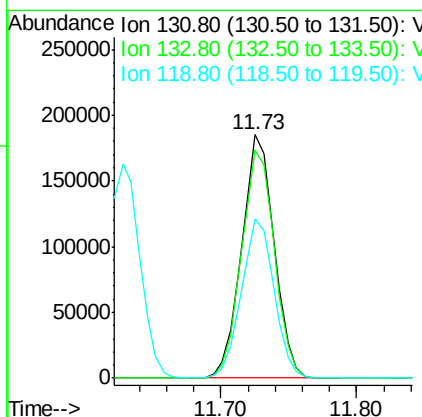
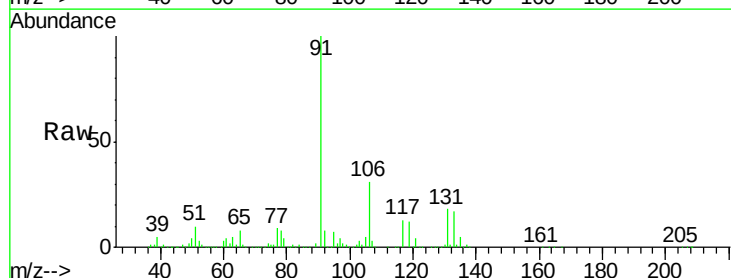
Manual Integrations
APPROVED

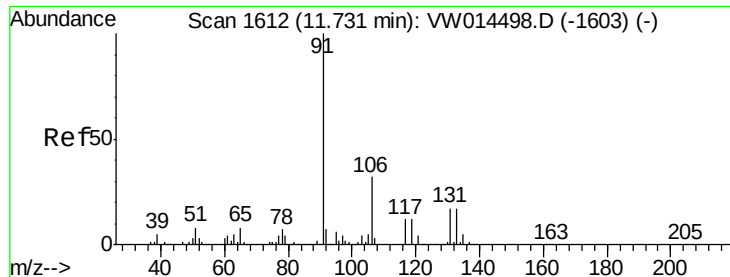
MMDadoda
1/10/2020 10:40:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.758 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	142.0
119	65.9	33.1	99.3





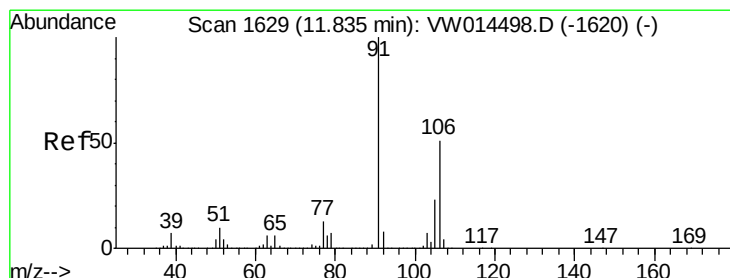
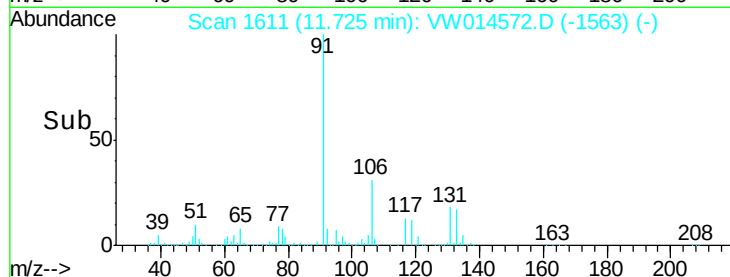
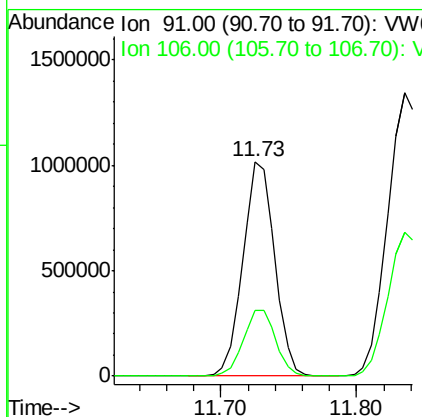
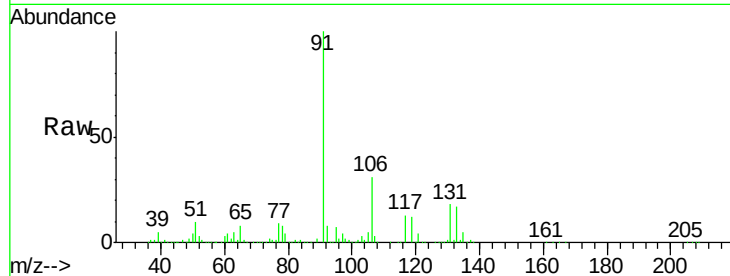
#67
Ethyl Benzene
Concen: 53.960 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1662481
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3

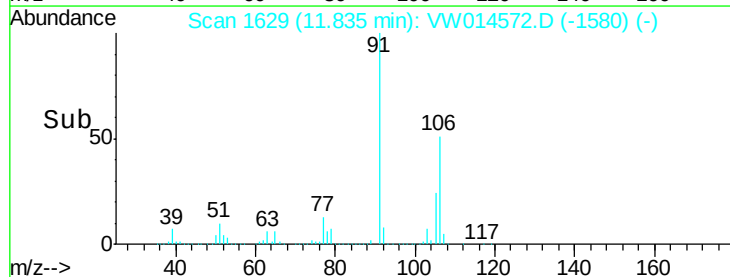
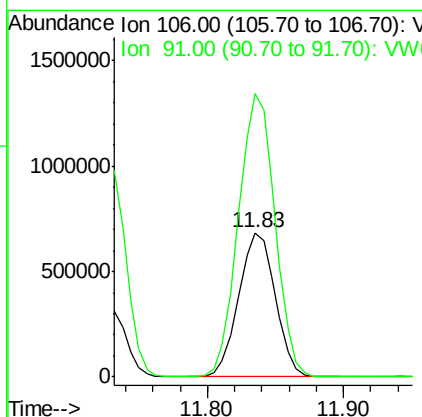
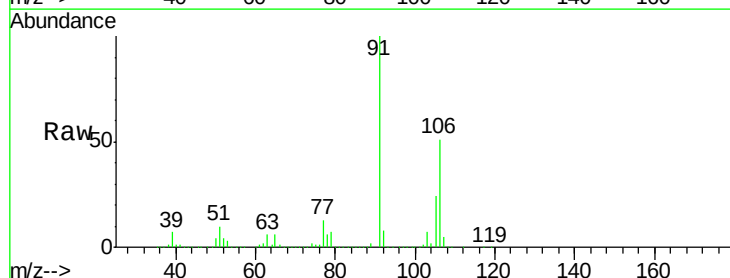
Manual Integrations
APPROVED

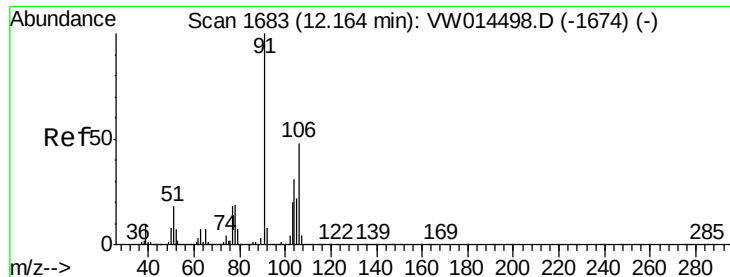
MMDadoda
1/10/2020 10:40:42 AM



#68
m/p-Xylenes
Concen: 108.696 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion: 106 Resp: 1281693
Ion Ratio Lower Upper
106 100
91 196.4 159.0 238.6





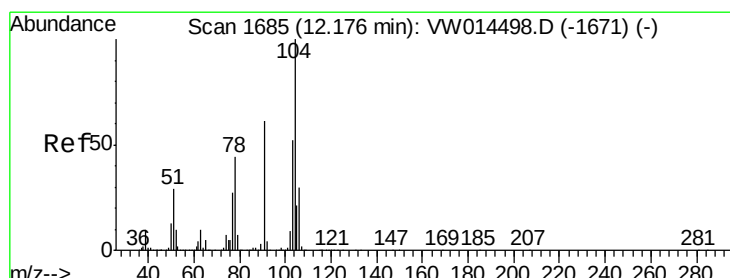
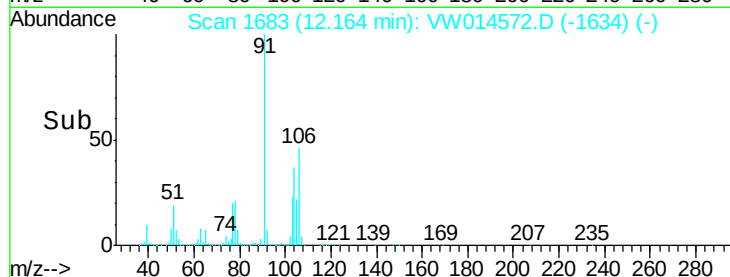
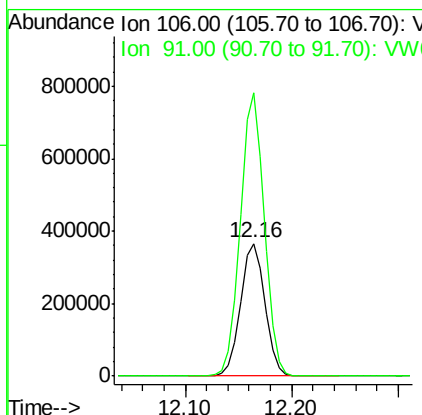
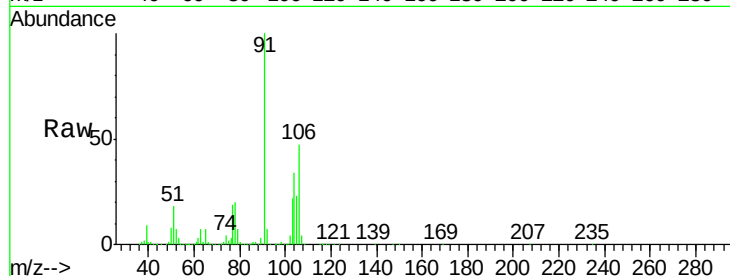
#69
o-Xylene
Concen: 54.080 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
589036	106	100		
	91	209.8	105.2	315.6

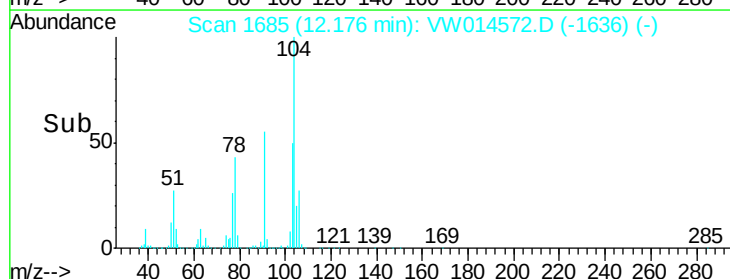
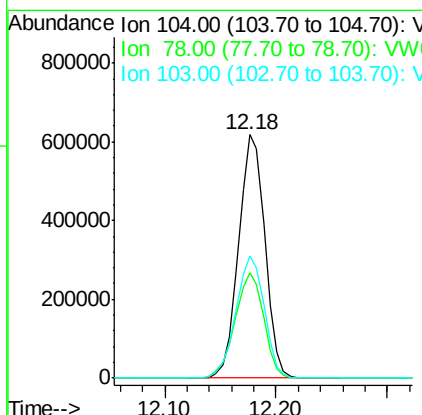
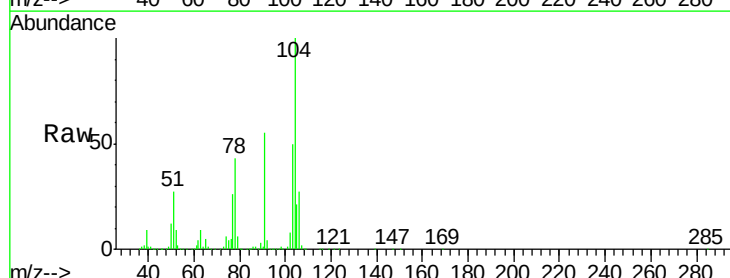
Manual Integrations
APPROVED

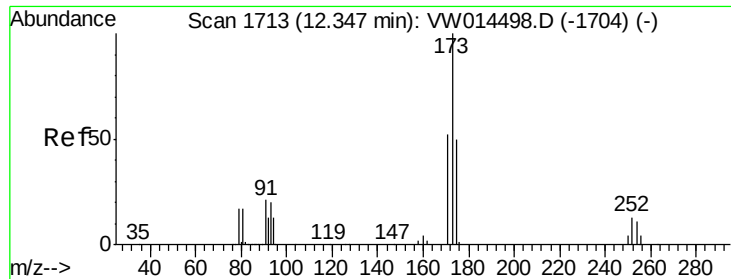
MMDadoda
1/10/2020 10:40:42 AM



#70
Styrene
Concen: 54.921 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ion	Ratio	Lower	Upper
1011801	104	100		
	78	47.0	38.4	57.6
	103	54.2	43.7	65.5





#71

Bromoform

Concen: 50.357 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 158106

Ion Ratio Lower Upper

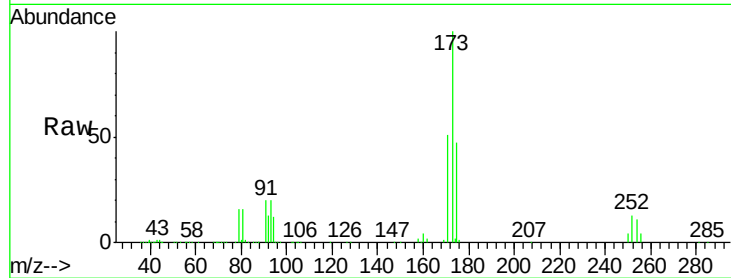
173 100

175 48.1 24.5 73.5

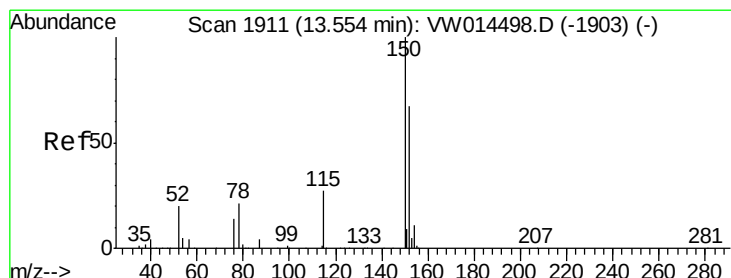
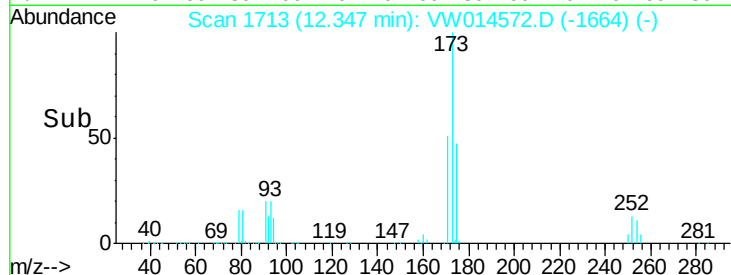
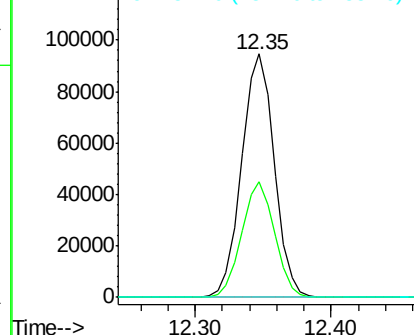
254 0.1 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 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: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

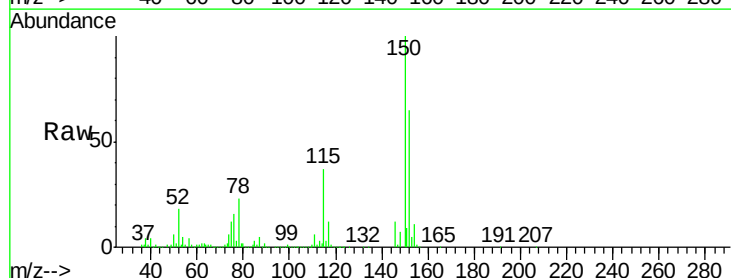
Tgt Ion:152 Resp: 409421

Ion Ratio Lower Upper

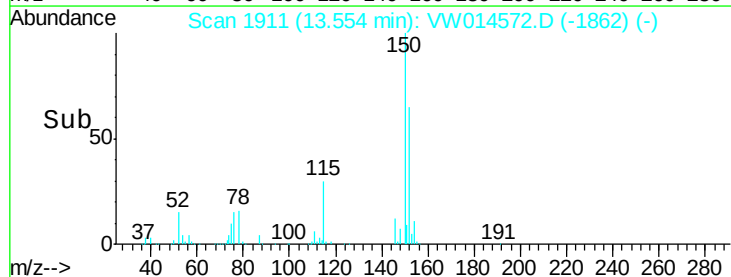
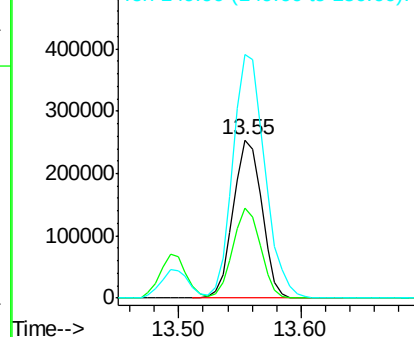
152 100

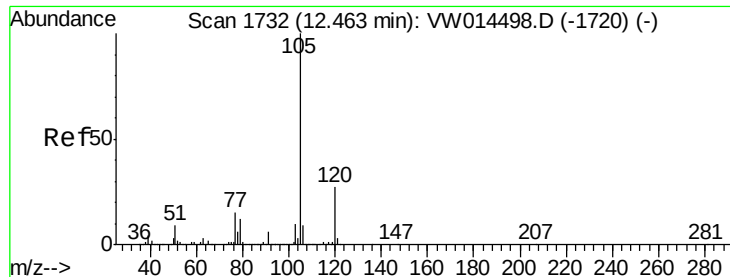
115 55.2 27.7 83.1

150 171.9 0.0 343.4



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





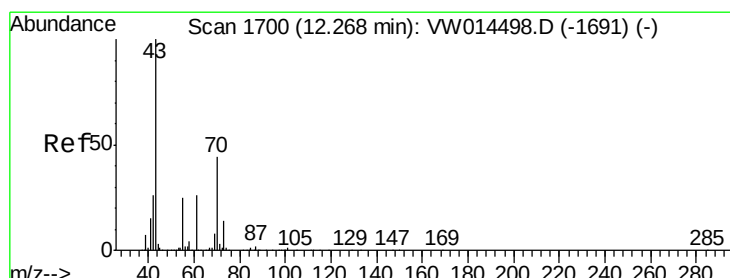
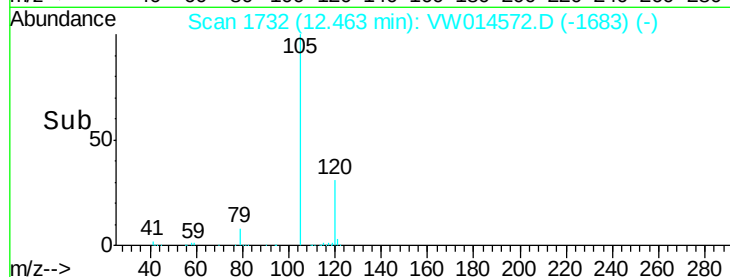
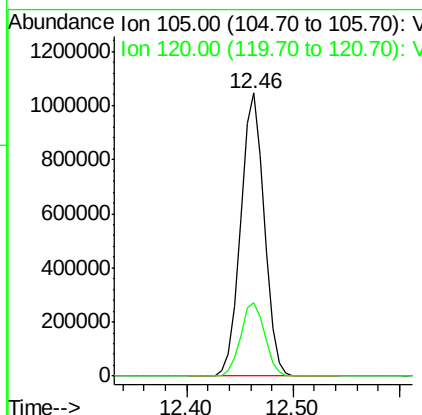
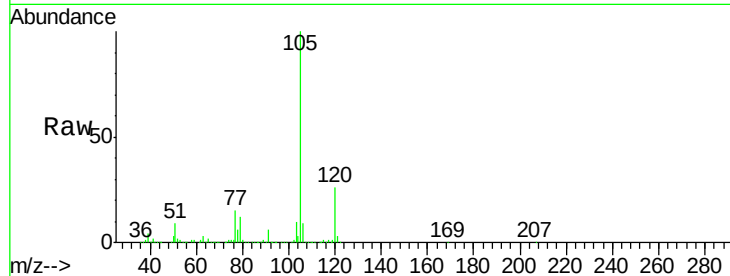
#73
Isopropylbenzene
Concen: 54.059 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1623996
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.1

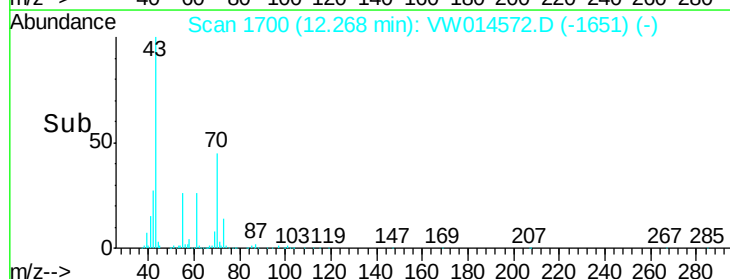
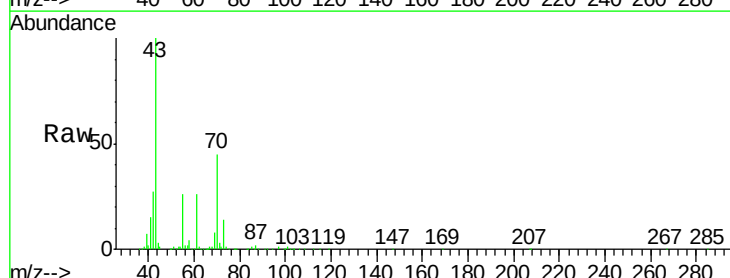
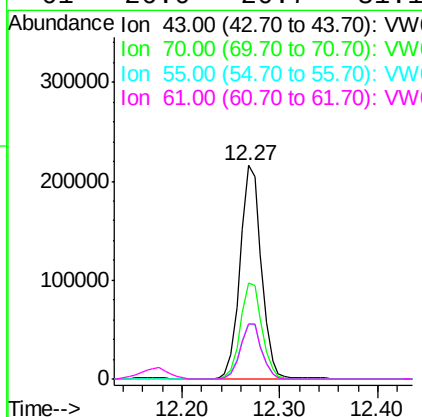
Manual Integrations
APPROVED

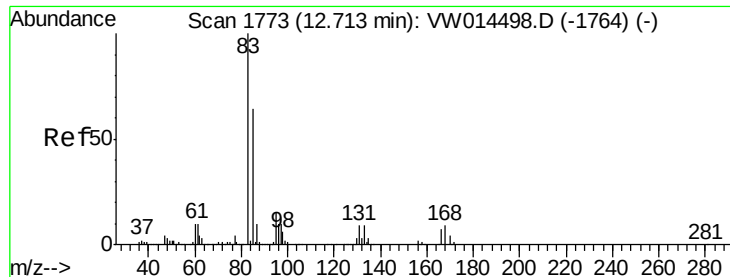
MMDadoda
1/10/2020 10:40:42 AM



#74
N-ethyl acetate
Concen: 48.296 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion: 43 Resp: 325313
Ion Ratio Lower Upper
43 100
70 45.7 36.5 54.7
55 26.3 20.9 31.3
61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.018 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

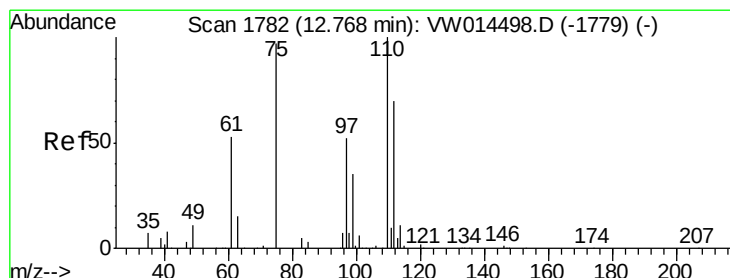
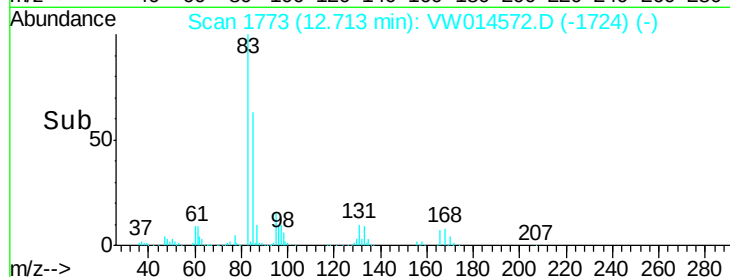
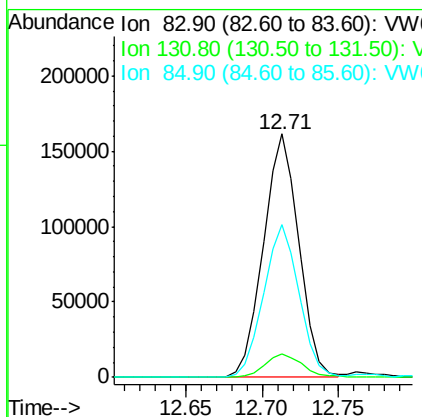
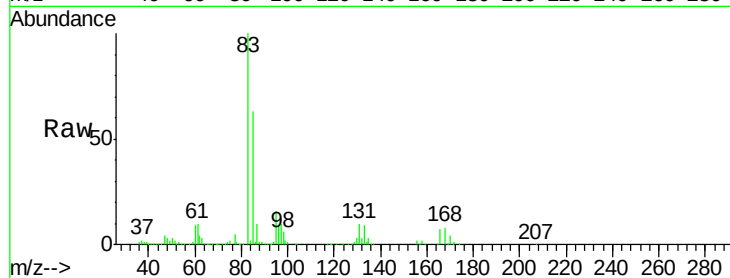
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	260371
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	62.9	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM



#76

1,2,3-Trichloropropane

Concen: 40.131 ug/l m

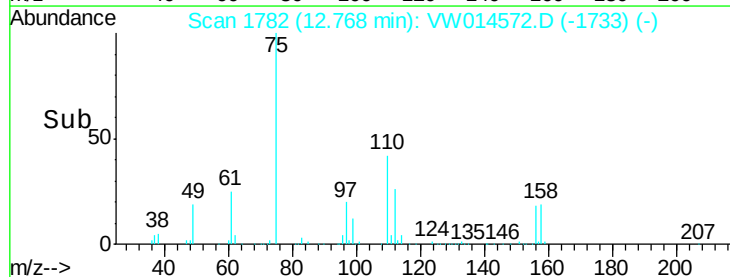
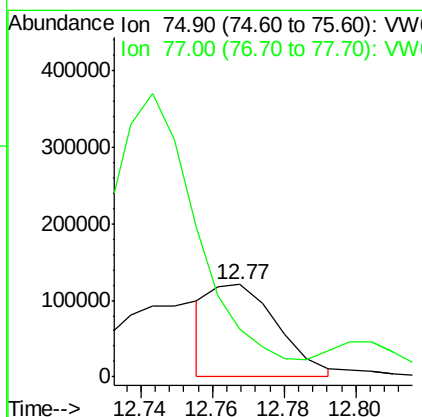
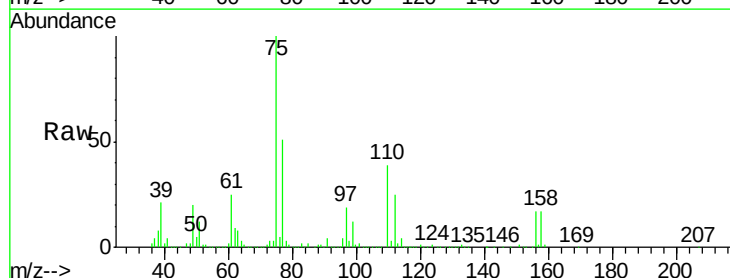
RT: 12.77 min Scan# 1782

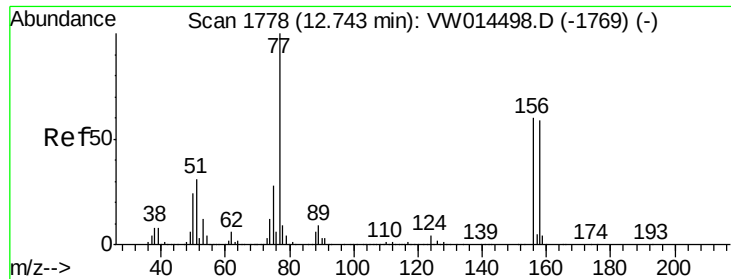
Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tgt Ion:	75	Resp:	155349
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.976 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

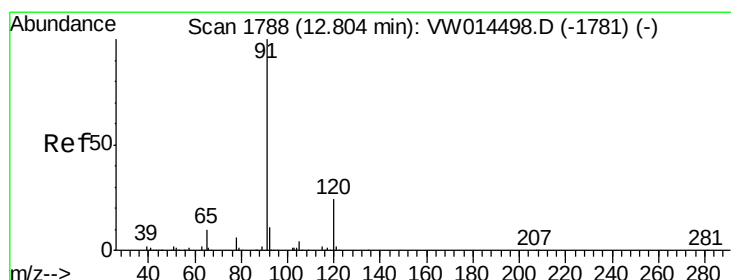
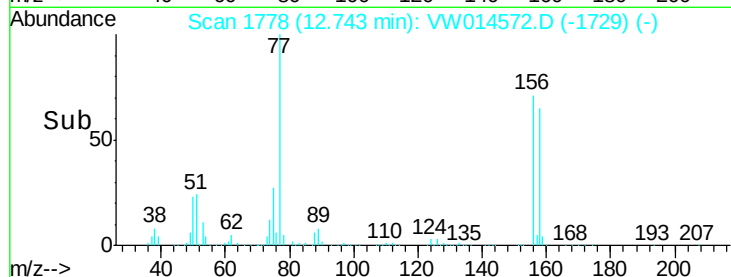
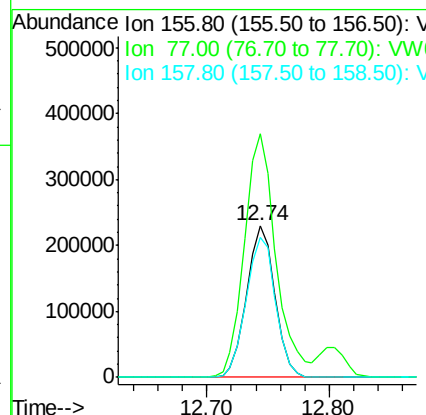
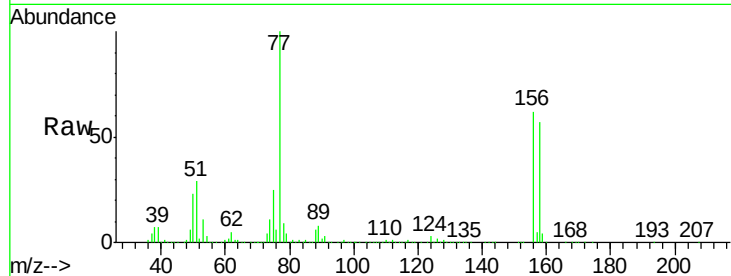
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	369630
Ion Ratio	Lower	Upper	
156	100		
77	179.7	92.3	277.1
158	95.8	48.6	145.9

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM



#78

n-propylbenzene

Concen: 54.317 ug/l

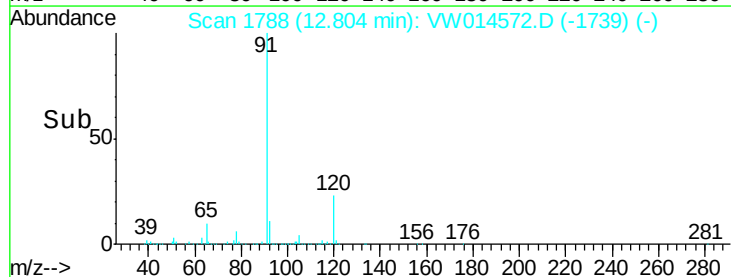
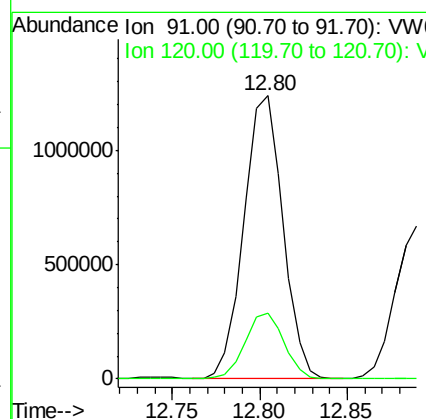
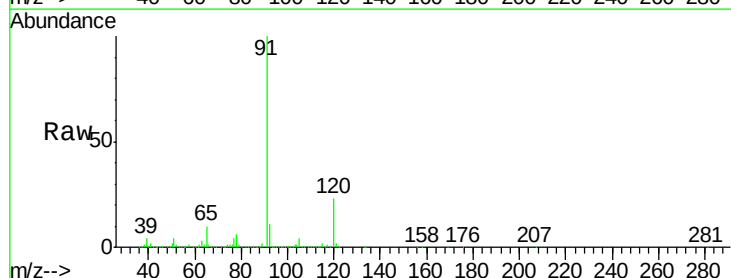
RT: 12.80 min Scan# 1788

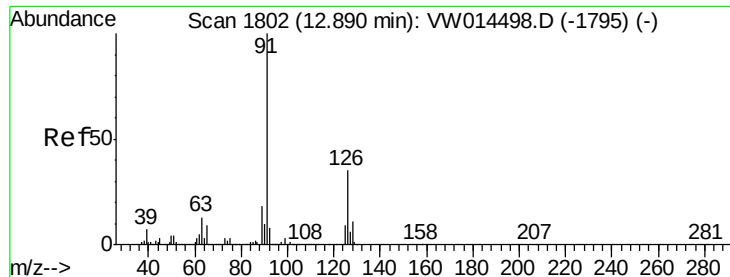
Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tgt Ion:	91	Resp:	1918778
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.1





#79

2-Chlorotoluene

Concen: 53.400 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1073501

Ion Ratio Lower Upper

91 100

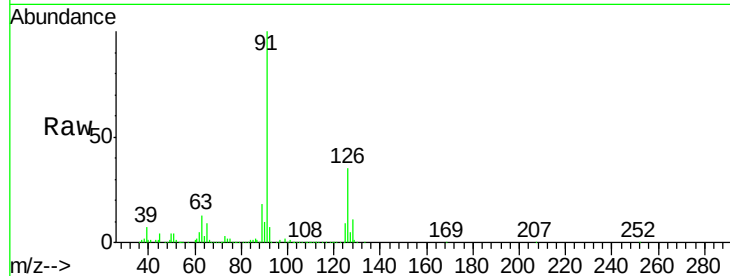
126 34.1 17.1 51.2

Manual Integrations

APPROVED

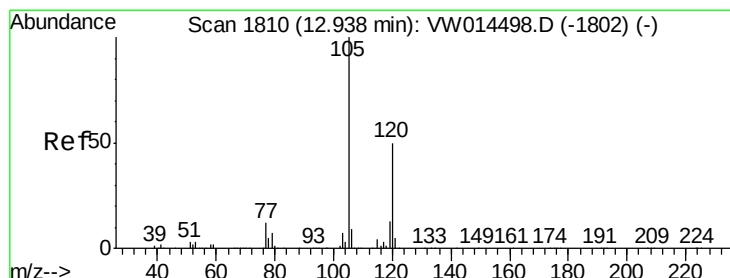
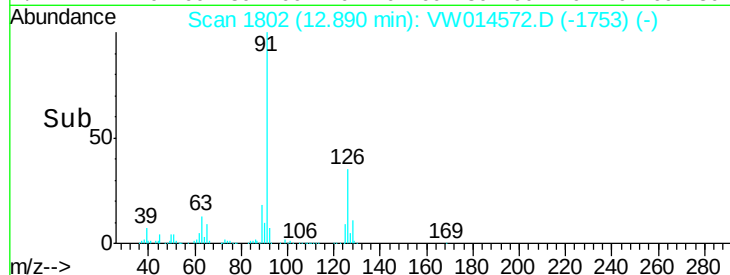
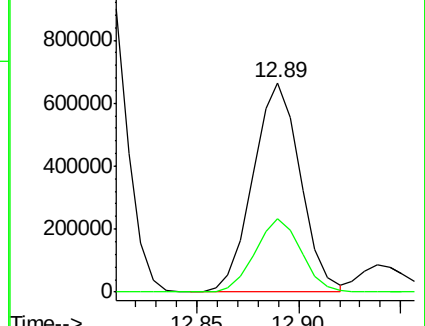
MMDadoda

1/10/2020 10:40:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.701 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014572.D

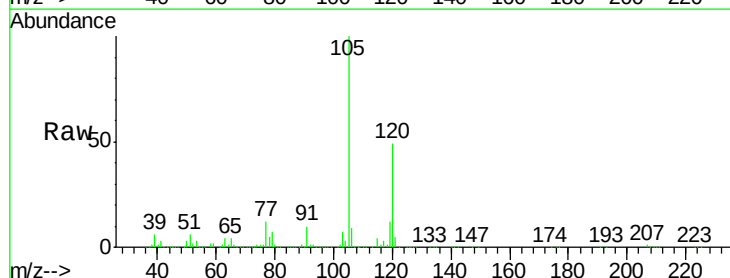
Acq: 09 Jan 2020 09:55

Tgt Ion: 105 Resp: 1354548

Ion Ratio Lower Upper

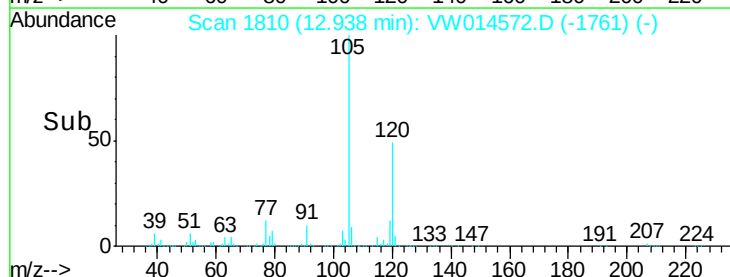
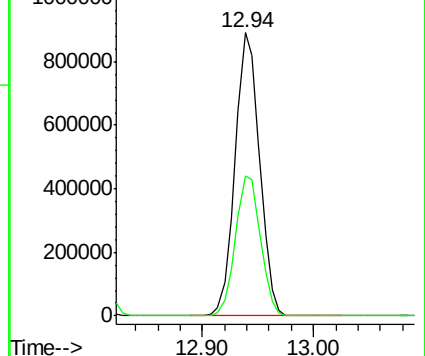
105 100

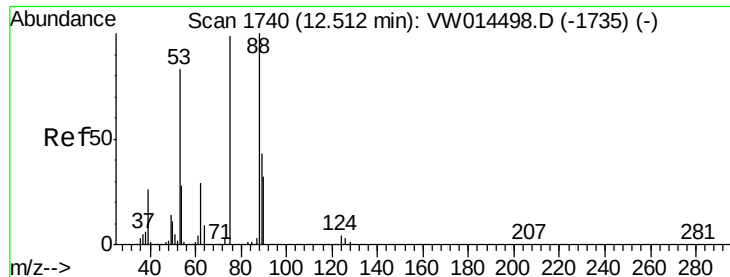
120 50.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





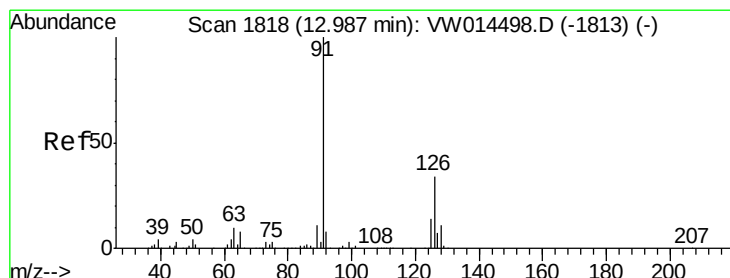
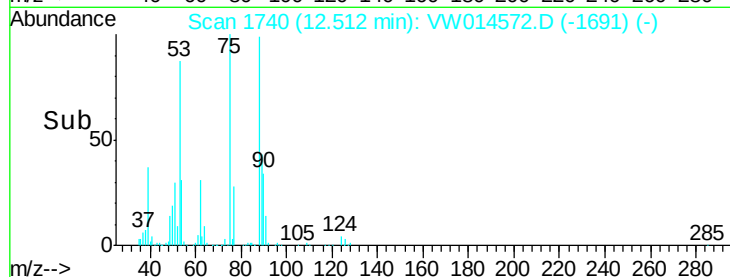
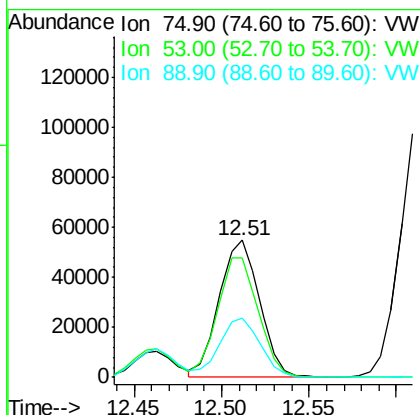
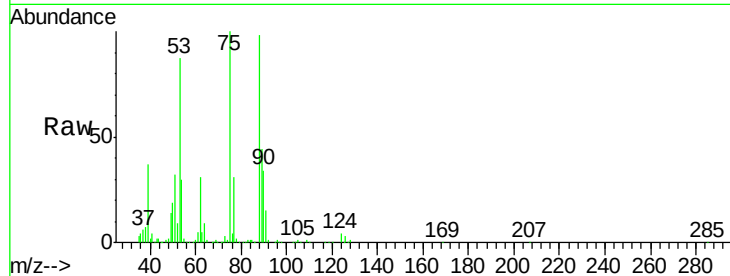
#81
trans-1,4-Dichloro-2-butene
Concen: 50.281 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	70.9	106.3
89	44.6	35.8	53.8

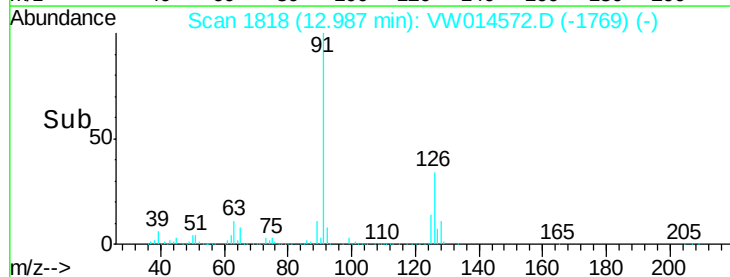
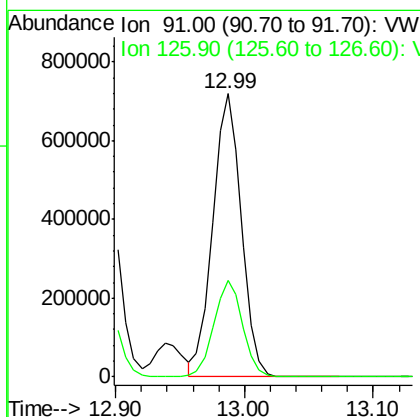
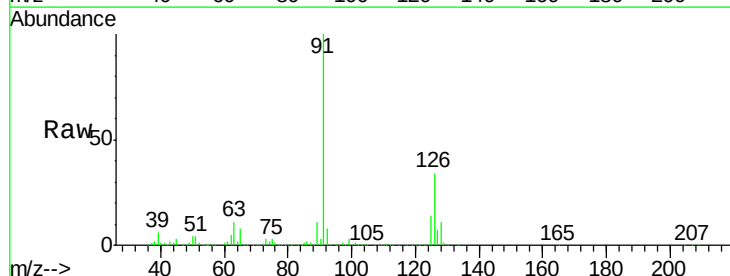
Manual Integrations
APPROVED

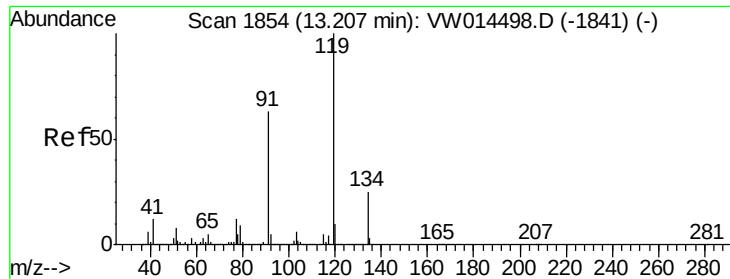
MMDadoda
1/10/2020 10:40:42 AM



#82
4-Chlorotoluene
Concen: 53.596 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.1	51.2





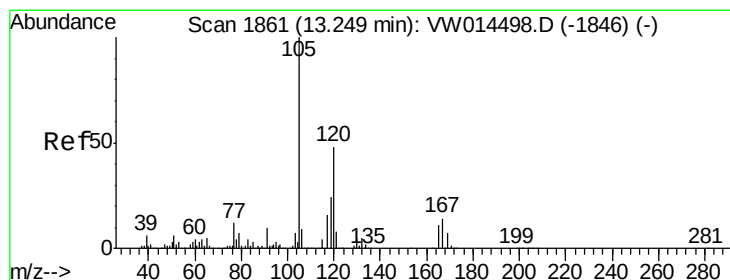
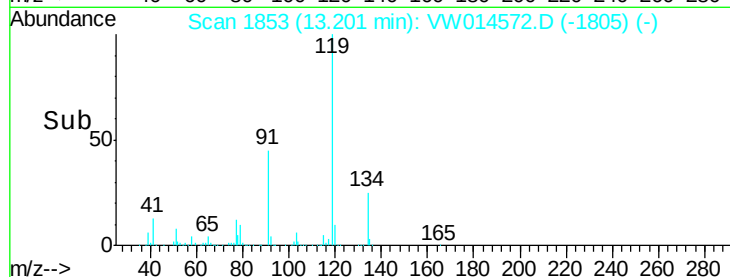
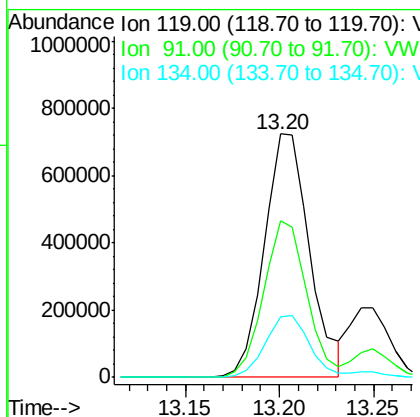
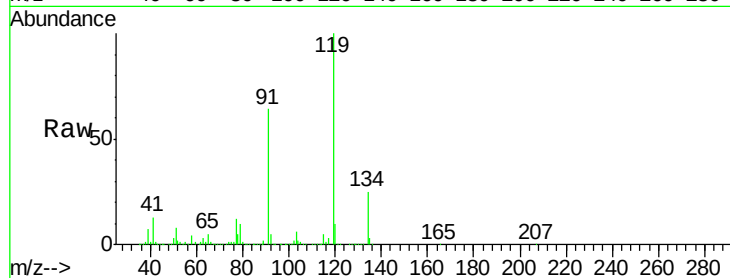
#83
 tert-Butylbenzene
 Concen: 54.567 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1205062
 Ion Ratio Lower Upper
 119 100
 91 61.2 31.1 93.3
 134 25.1 13.5 40.5

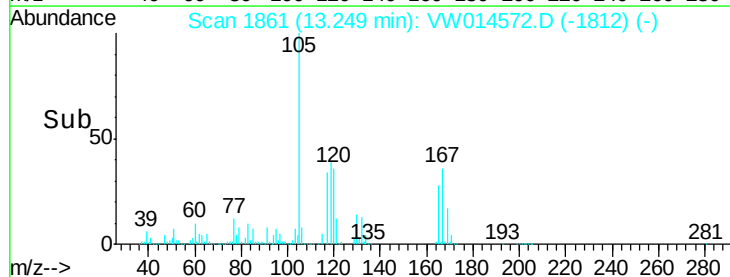
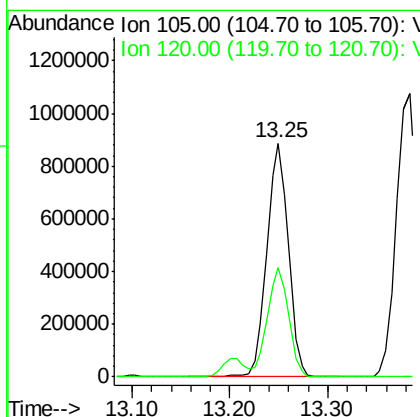
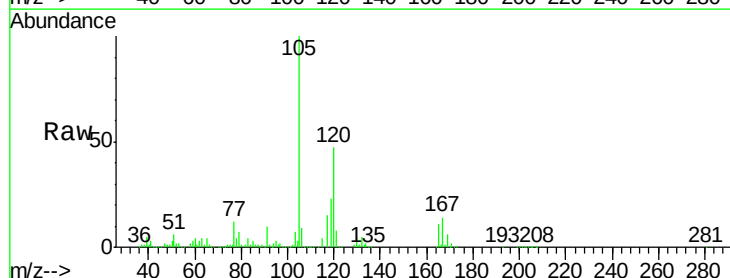
Manual Integrations
 APPROVED

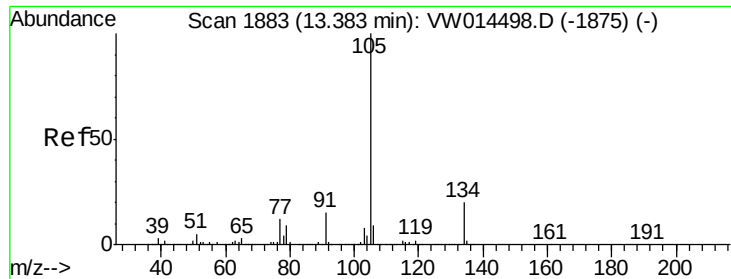
MMDadoda
 1/10/2020 10:40:42 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.797 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Tgt Ion:105 Resp: 1350377
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.0





#85

sec-Butylbenzene

Concen: 54.079 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1653090

Ion Ratio Lower Upper

105 100

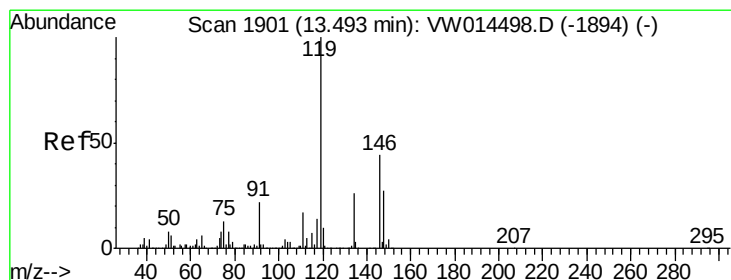
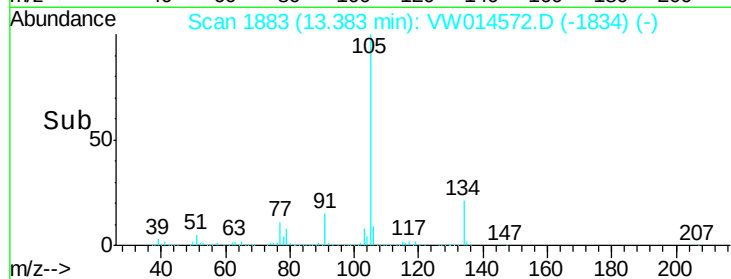
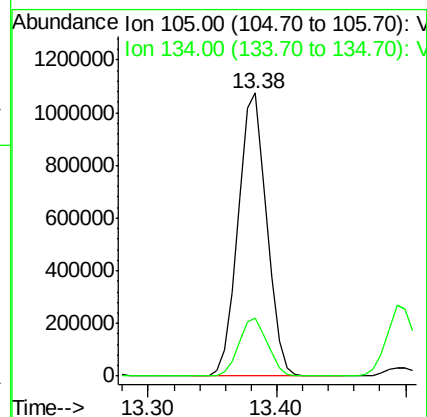
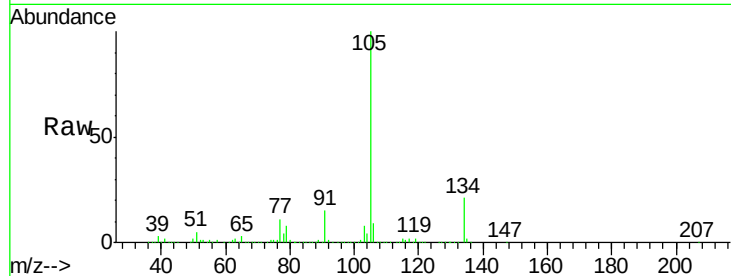
134 20.7 10.2 30.6

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:42 AM



#86

p-Isopropyltoluene

Concen: 54.597 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

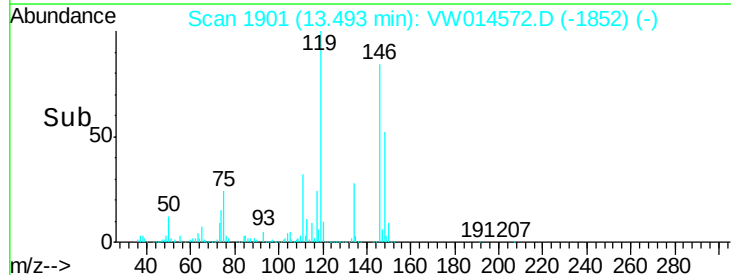
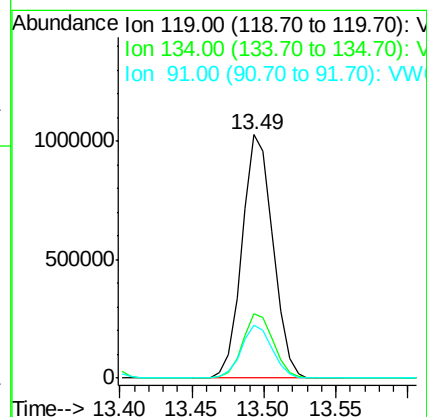
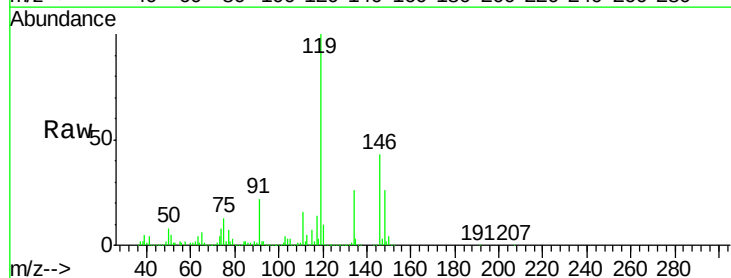
Tgt Ion:119 Resp: 1521218

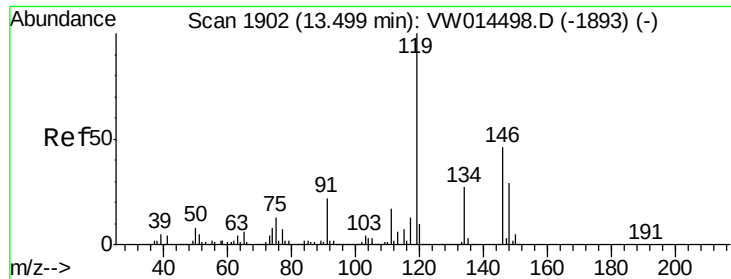
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 21.6 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 52.982 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW014572.D

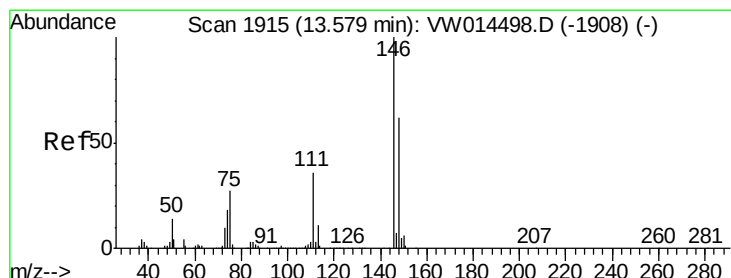
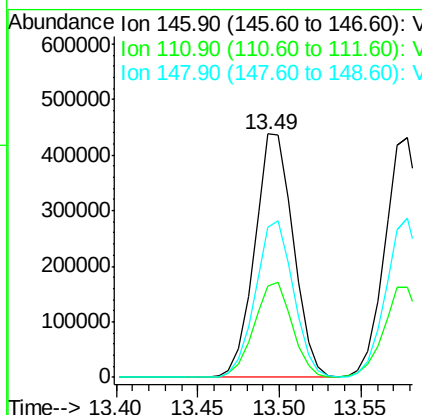
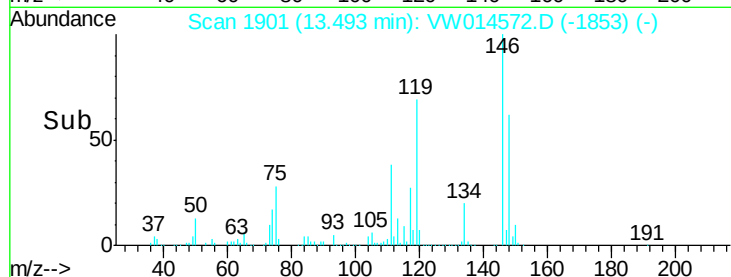
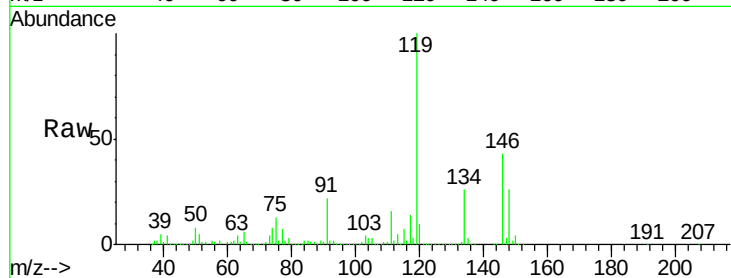
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.9
148	63.4	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM



#88

1,4-Dichlorobenzene

Concen: 52.116 ug/l

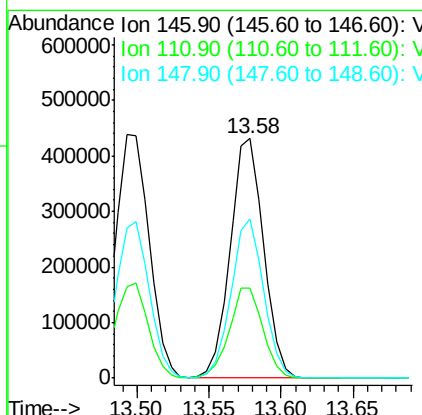
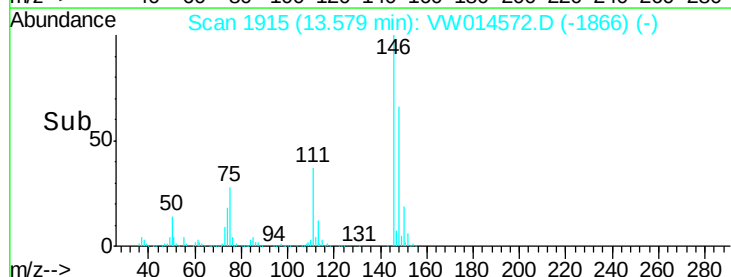
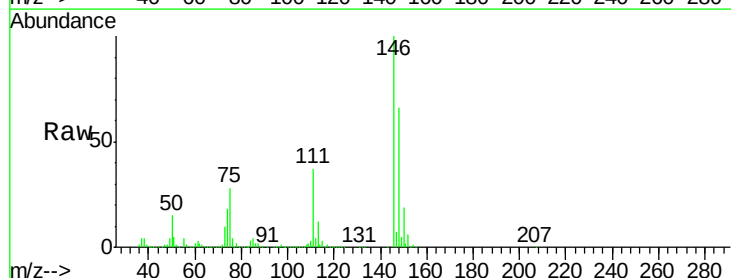
RT: 13.58 min Scan# 1915

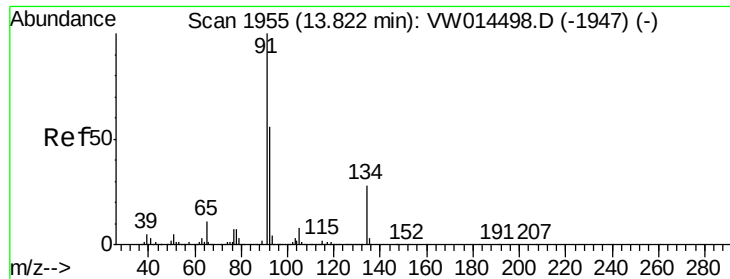
Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.7	31.7	95.1





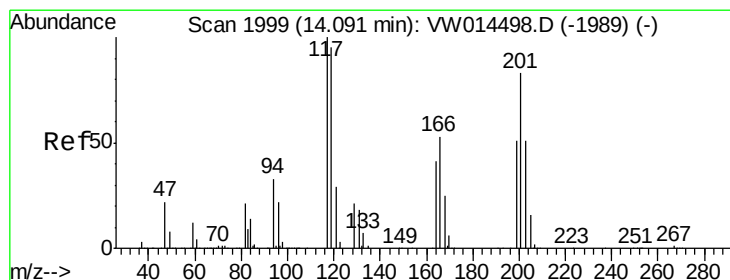
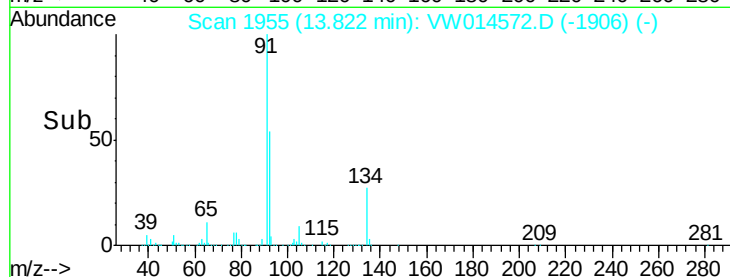
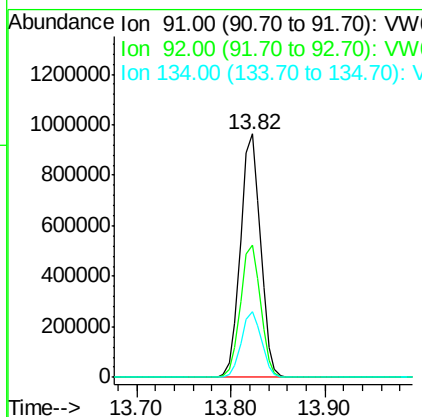
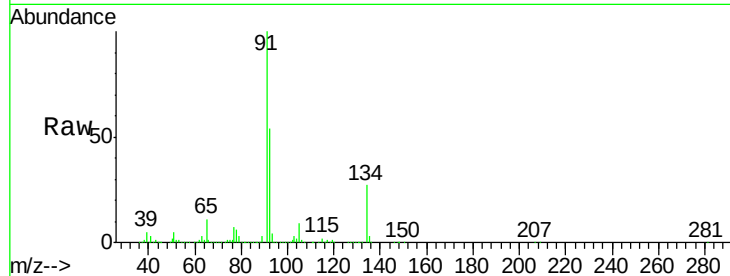
#89
n-Butylbenzene
Concen: 55.119 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1426162
Ion Ratio Lower Upper
91 100
92 54.8 27.5 82.5
134 27.0 13.7 41.1

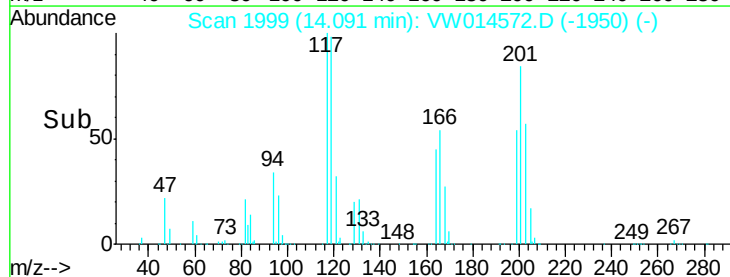
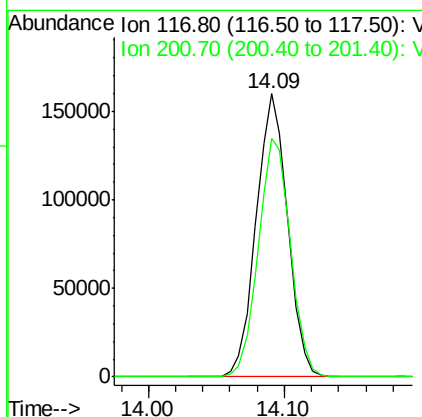
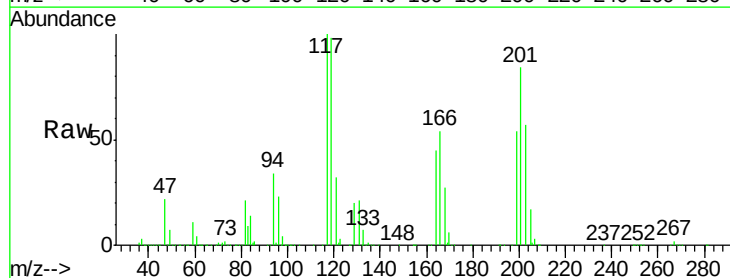
Manual Integrations
APPROVED

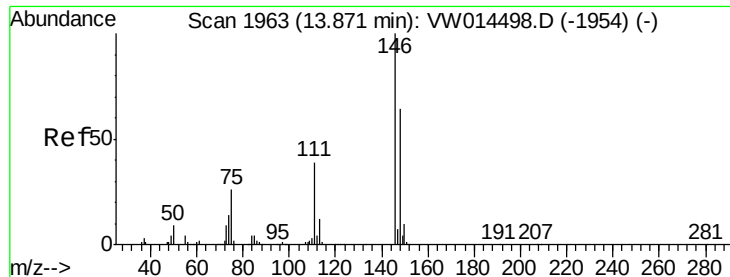
MMDadoda
1/10/2020 10:40:42 AM



#90
Hexachloroethane
Concen: 53.279 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW014572.D
Acq: 09 Jan 2020 09:55

Tgt Ion: 117 Resp: 259334
Ion Ratio Lower Upper
117 100
201 85.6 43.0 128.8





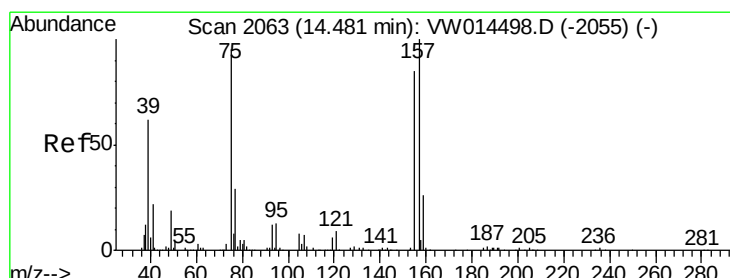
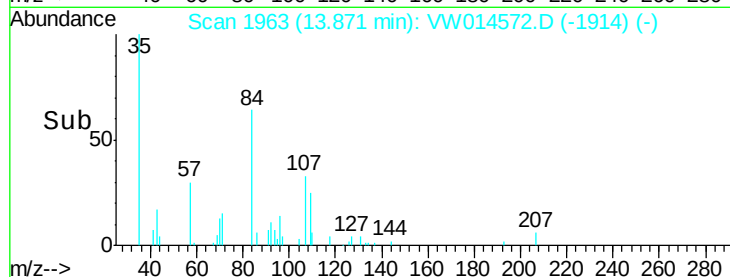
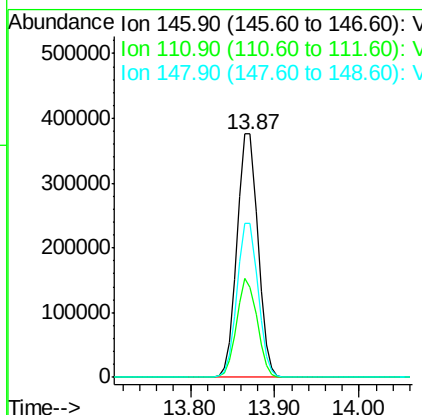
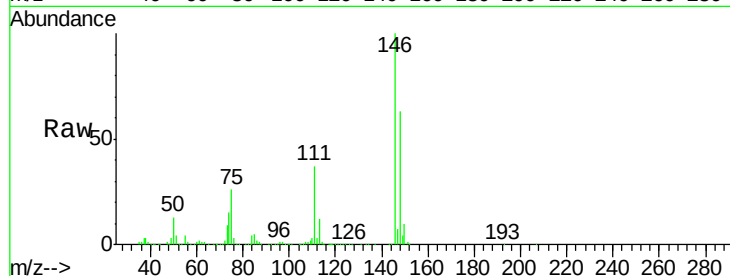
#91
 1,2-Dichlorobenzene
 Concen: 52.564 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.4	61.3
148	63.7	32.3	96.8

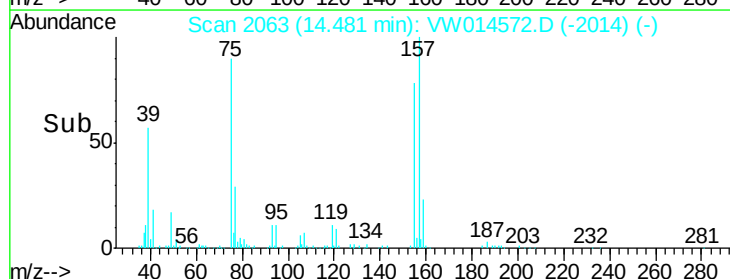
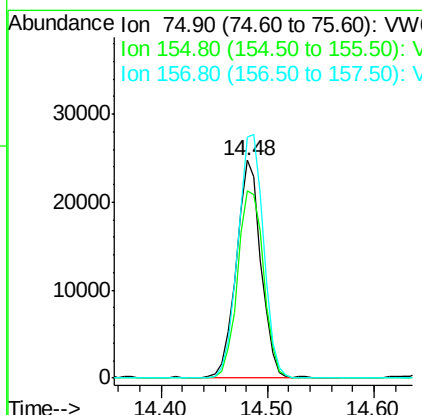
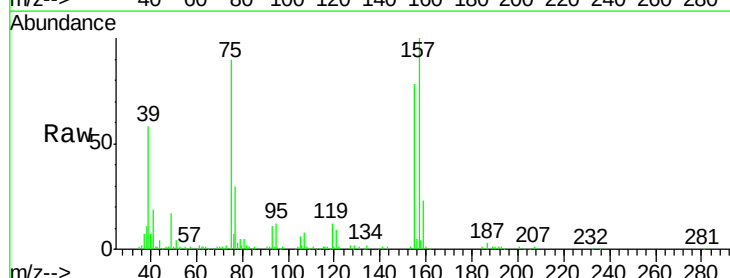
Manual Integrations
 APPROVED

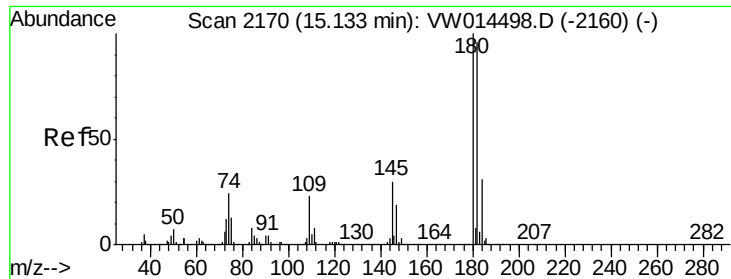
MMDadoda
 1/10/2020 10:40:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.065 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	45.8	137.4
157	116.3	58.1	174.2





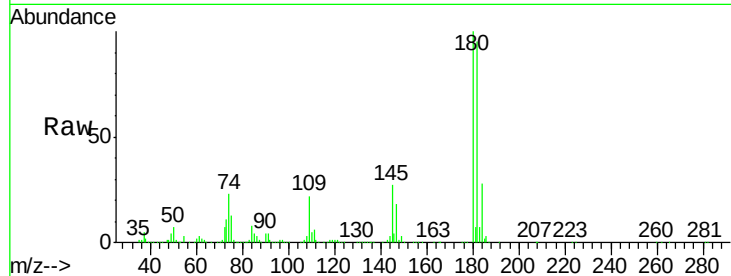
#93
 1,2,4-Trichlorobenzene
 Concen: 54.102 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

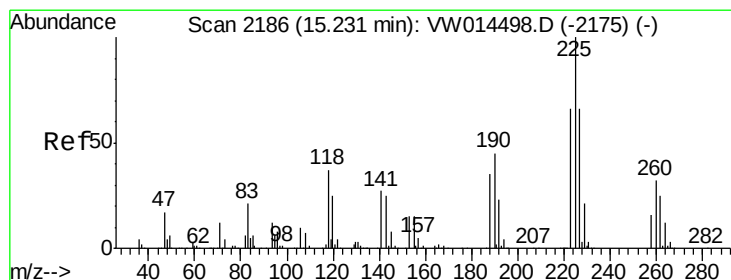
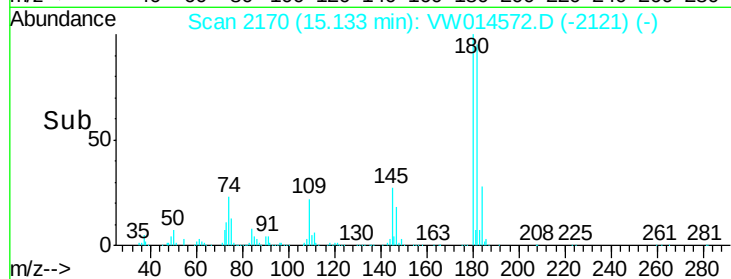
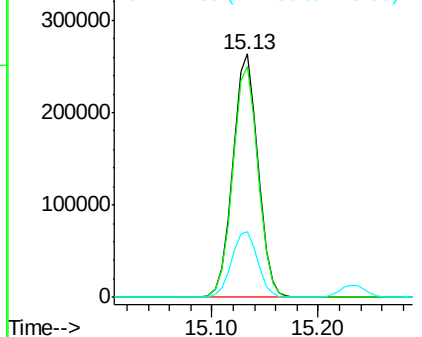
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.3	141.8	
145	28.0	14.7	44.1	

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:40:42 AM

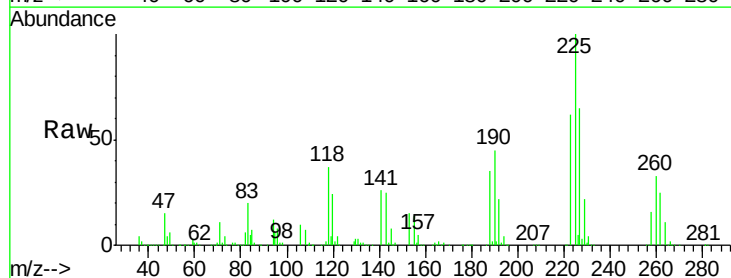


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

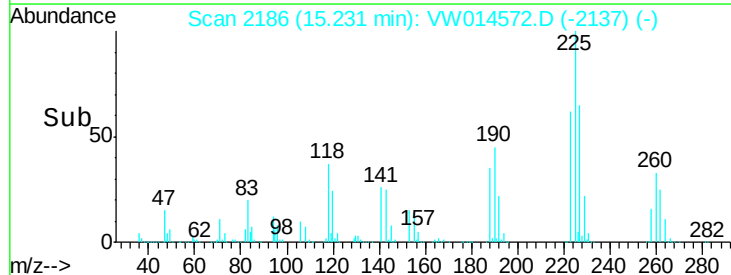
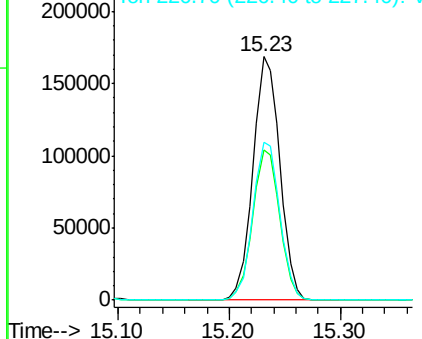


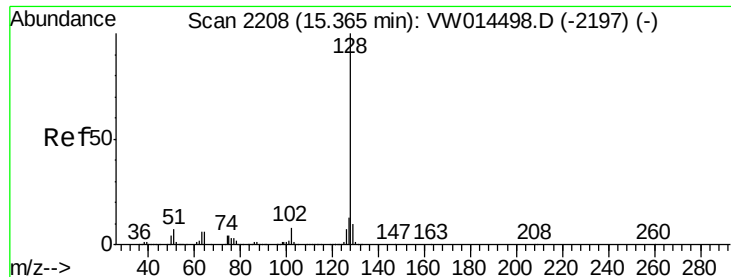
#94
 Hexachlorobutadiene
 Concen: 52.600 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW014572.D
 Acq: 09 Jan 2020 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	32.4	97.2	
227	64.8	32.6	97.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.463 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Instrument :

MSVOA_W

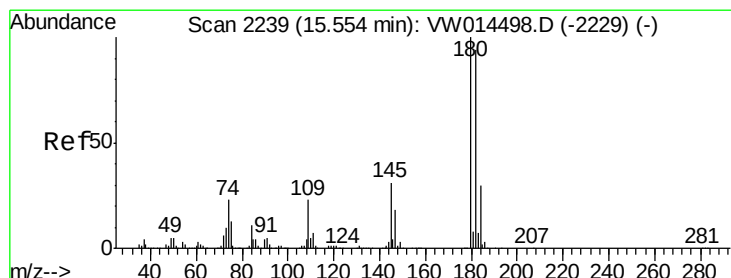
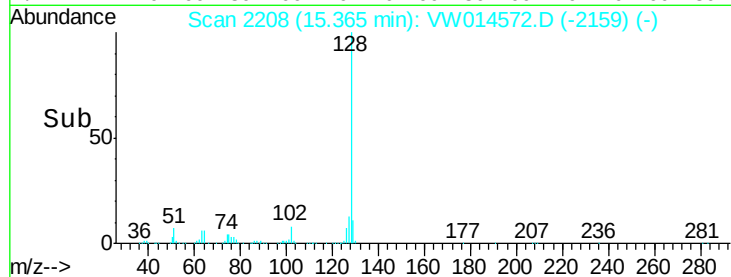
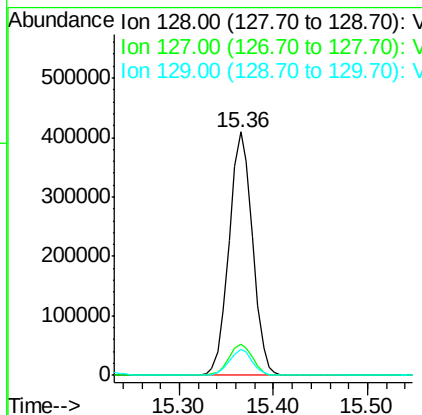
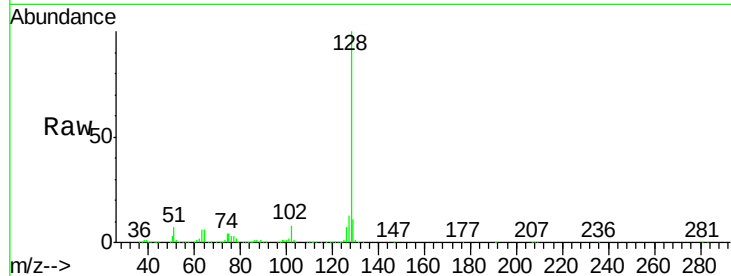
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	706805
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:42 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.334 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014572.D

Acq: 09 Jan 2020 09:55

Tgt Ion:	180	Resp:	367359
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.2
145	30.3	15.5	46.5

