

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
 Data File : VW013712.D
 Acq On : 24 Oct 2019 15:51
 Operator : SY/VA
 Sample : VW1024SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:47:22 PM

Quant Time: Oct 25 08:08:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	330063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	204098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127595	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	7.88	113	136220	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	10.32	98	560259	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.62	95	184035	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	37776	21.725	ug/l	95
3) Chloromethane	2.21	50	41685	22.306	ug/l	97
4) Vinyl Chloride	2.37	62	64345	22.799	ug/l	95
5) Bromomethane	2.78	94	39416	21.236	ug/l	100
6) Chloroethane	2.92	64	36038	21.103	ug/l	95
7) Trichlorofluoromethane	3.26	101	37886	21.492	ug/l	92
8) Diethyl Ether	3.68	74	27993	19.655	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	60171	20.997	ug/l	98
10) Methyl Iodide	4.28	142	95842	20.524	ug/l	99
11) Tert butyl alcohol	5.18	59	14373m	97.238	ug/l	
12) 1,1-Dichloroethene	4.04	96	62892	21.246	ug/l	95
13) Acrolein	3.90	56	13019	76.879	ug/l	94
14) Allyl chloride	4.67	41	92229	20.262	ug/l	99
15) Acrylonitrile	5.37	53	56053	96.792	ug/l	98
16) Acetone	4.13	43	45635	86.925	ug/l	96
17) Carbon Disulfide	4.38	76	179337	21.095	ug/l	99
18) Methyl Acetate	4.68	43	28751	19.978	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	70811	19.934	ug/l	99
20) Methylene Chloride	4.92	84	70708	21.801	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	66235	20.789	ug/l	99
22) Diisopropyl ether	6.31	45	165900	19.981	ug/l	99
23) Vinyl Acetate	6.25	43	460184	95.521	ug/l	100
24) 1,1-Dichloroethane	6.21	63	106866	20.323	ug/l	99
25) 2-Butanone	7.17	43	69465	92.034	ug/l	95
26) 2,2-Dichloropropane	7.17	77	63721	20.956	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	68810	20.334	ug/l	98
28) Bromochloromethane	7.51	49	26929	15.329	ug/l #	100
29) Tetrahydrofuran	7.53	42	43809	93.752	ug/l	99
30) Chloroform	7.67	83	106102	20.412	ug/l	98
31) Cyclohexane	7.96	56	112629	20.467	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	85102	20.863	ug/l	98
36) 1,1-Dichloropropene	8.08	75	90836	21.145	ug/l	99
37) Ethyl Acetate	7.25	43	30959	18.826	ug/l	99
38) Carbon Tetrachloride	8.06	117	82840	21.414	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
 Data File : VW013712.D
 Acq On : 24 Oct 2019 15:51
 Operator : SY/VA
 Sample : VW1024SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:47:22 PM

Quant Time: Oct 25 08:08:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	114447	20.630	ug/l	97
40) Benzene	8.32	78	250824	20.631	ug/l	98
41) Methacrylonitrile	7.48	41	18449	17.991	ug/l	97
42) 1,2-Dichloroethane	8.40	62	64311	20.992	ug/l	100
43) Isopropyl Acetate	8.42	43	60384	19.183	ug/l	99
44) Trichloroethene	9.09	130	73999	21.249	ug/l	97
45) 1,2-Dichloropropane	9.37	63	58192	20.039	ug/l	97
46) Dibromomethane	9.46	93	29388	20.851	ug/l	96
47) Bromodichloromethane	9.65	83	73327	20.107	ug/l	96
48) Methyl methacrylate	9.43	41	29943	19.182	ug/l	98
49) 1,4-Dioxane	9.47	88	7899	379.268	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	145645	93.114	ug/l	99
52) Toluene	10.38	92	163716	20.877	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71626	19.402	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	91507	20.090	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42401	20.186	ug/l	97
56) Ethyl methacrylate	10.65	69	49609	18.877	ug/l	94
57) 1,3-Dichloropropane	10.93	76	72301	20.058	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	115192	95.239	ug/l	98
59) 2-Hexanone	10.97	43	97968	90.852	ug/l	100
60) Dibromochloromethane	11.13	129	49941	20.025	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39023	19.637	ug/l	99
64) Tetrachloroethene	10.86	164	62031	20.441	ug/l	99
65) Chlorobenzene	11.66	112	166901	20.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	57938	20.340	ug/l	99
67) Ethyl Benzene	11.73	91	302569	20.559	ug/l	99
68) m/p-Xylenes	11.83	106	236612	41.613	ug/l	97
69) o-Xylene	12.16	106	107305	20.531	ug/l	96
70) Styrene	12.18	104	183644	20.451	ug/l	99
71) Bromoform	12.35	173	29289	19.594	ug/l #	99
73) Isopropylbenzene	12.46	105	302008	20.605	ug/l	100
74) N-amyl acetate	12.27	43	52911	18.662	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44974	19.445	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29147m	19.886	ug/l	
77) Bromobenzene	12.74	156	70758	20.209	ug/l	99
78) n-propylbenzene	12.80	91	355852	20.976	ug/l	99
79) 2-Chlorotoluene	12.89	91	197071	20.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	253334	20.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14095	18.174	ug/l	99
82) 4-Chlorotoluene	12.99	91	205979	20.580	ug/l	98
83) tert-Butylbenzene	13.21	119	224268	20.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	253588	20.777	ug/l	99
85) sec-Butylbenzene	13.38	105	312614	20.815	ug/l	99
86) p-Isopropyltoluene	13.50	119	289468	20.691	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	138552	20.424	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	135094	20.045	ug/l	97
89) n-Butylbenzene	13.82	91	260930	20.663	ug/l	100
90) Hexachloroethane	14.09	117	49365	20.301	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	119551	20.324	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6665	19.056	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
Data File : VW013712.D
Acq On : 24 Oct 2019 15:51
Operator : SY/VA
Sample : VW1024SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

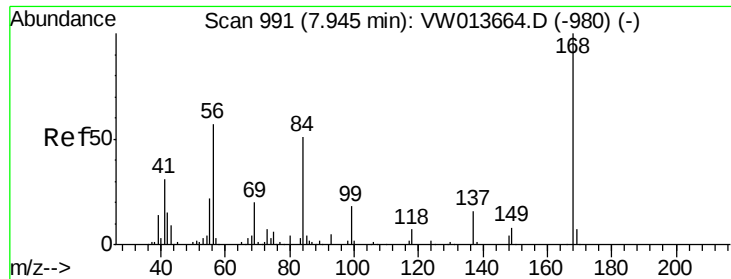
Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:47:22 PM

Quant Time: Oct 25 08:08:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	85217	19.907	ug/l	99
94) Hexachlorobutadiene	15.24	225	59813	20.697	ug/l	99
95) Naphthalene	15.36	128	125948	18.765	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	72164	19.564	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion:168 Resp: 330063

Ion Ratio Lower Upper

168 100

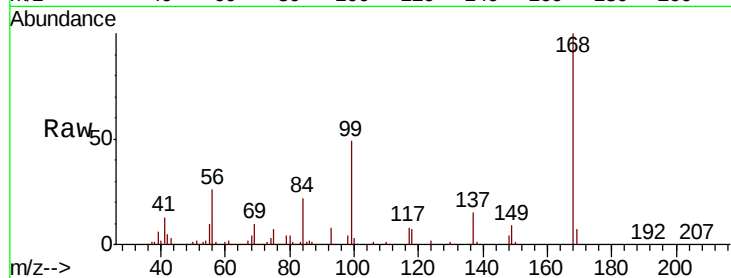
99 49.3 39.0 58.6

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:47:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

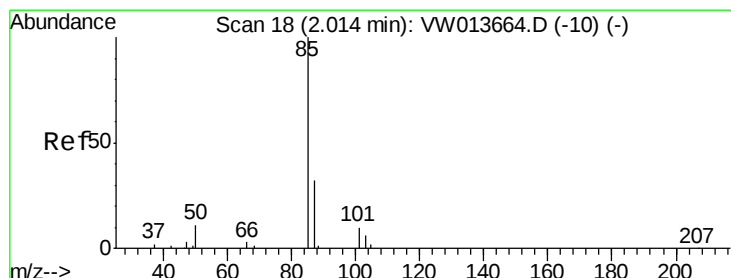
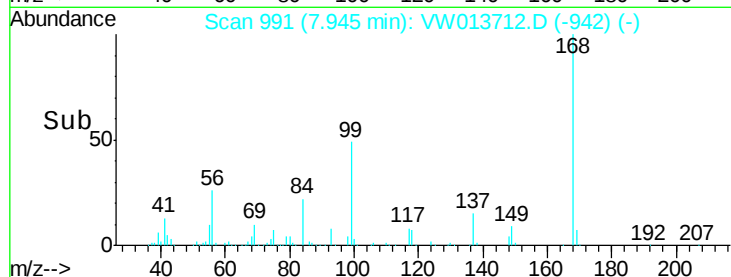
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.725 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013712.D

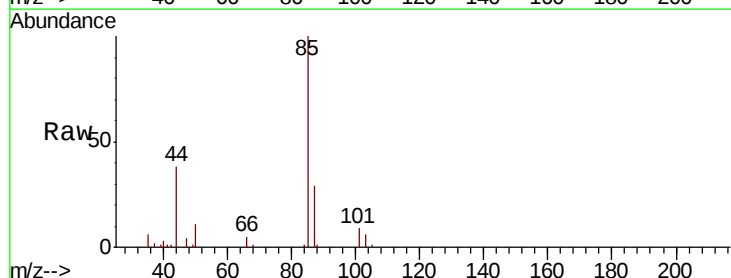
Acq: 24 Oct 2019 15:51

Tgt Ion: 85 Resp: 37776

Ion Ratio Lower Upper

85 100

87 29.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

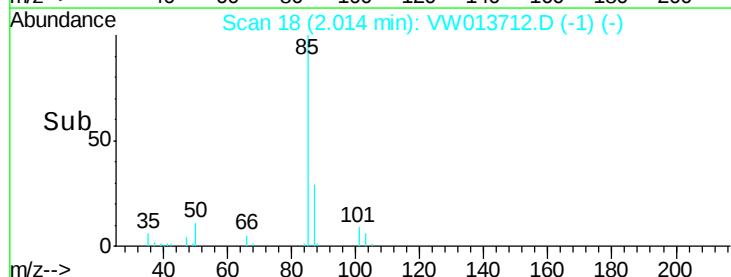
15000

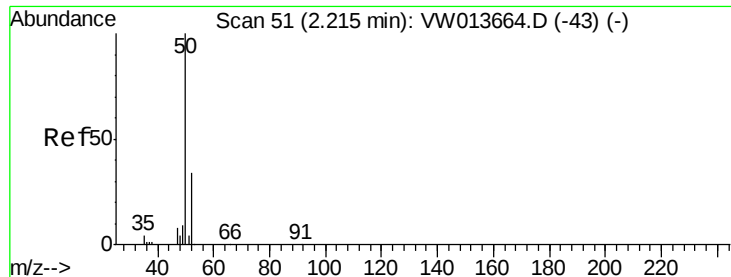
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.306 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion: 50 Resp: 41685

Ion Ratio Lower Upper

50 100

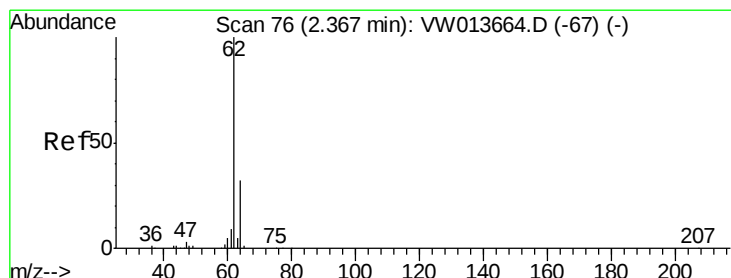
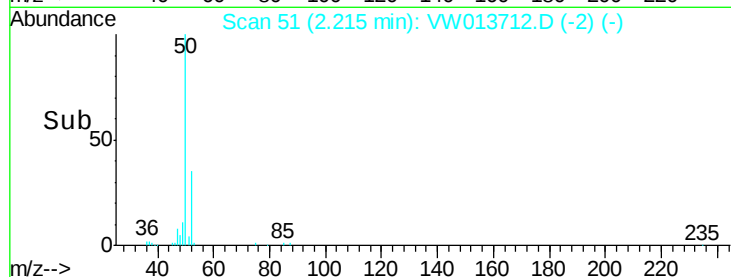
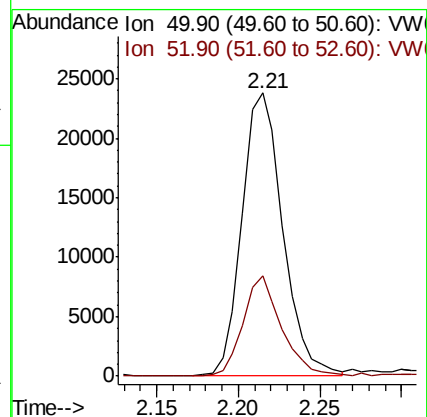
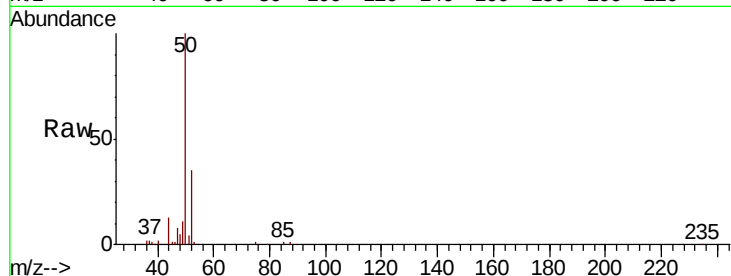
52 35.3 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:47:22 PM



#4

Vinyl Chloride

Concen: 22.799 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013712.D

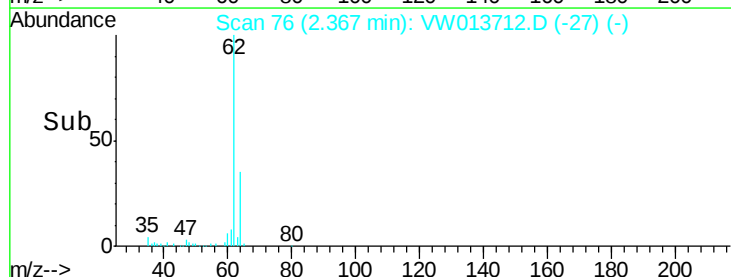
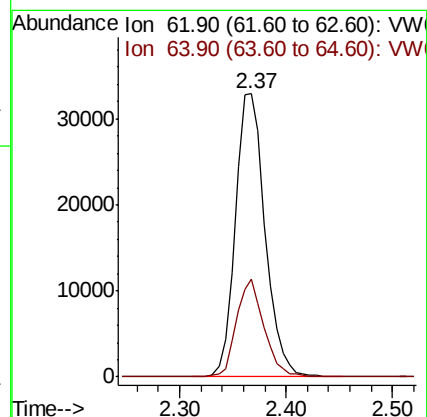
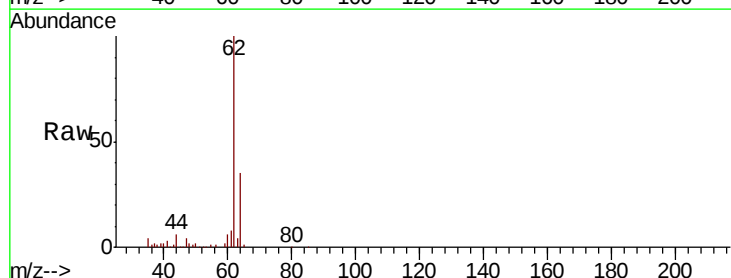
Acq: 24 Oct 2019 15:51

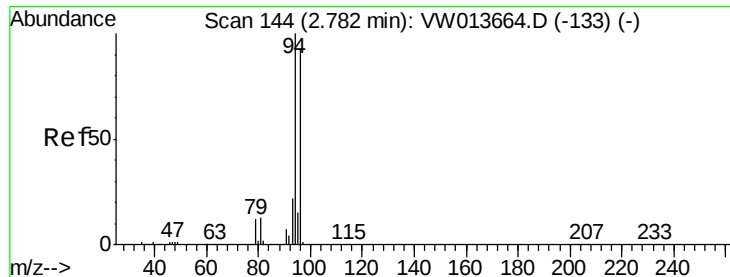
Tgt Ion: 62 Resp: 64345

Ion Ratio Lower Upper

62 100

64 34.6 25.5 38.3





#5

Bromomethane

Concen: 21.236 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion: 94 Resp: 39416

Ion Ratio Lower Upper

94 100

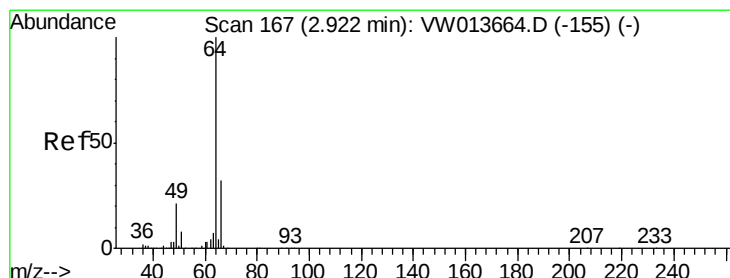
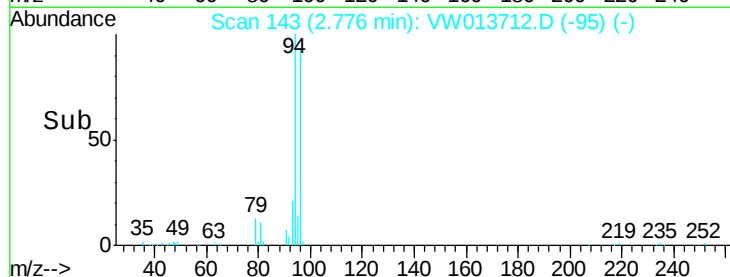
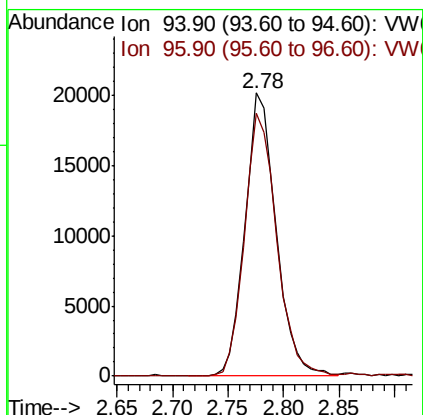
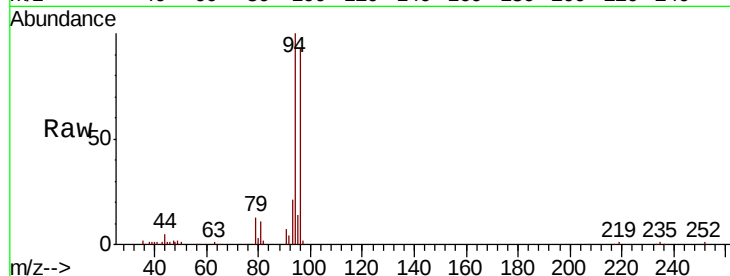
96 93.0 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:47:22 PM



#6

Chloroethane

Concen: 21.103 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013712.D

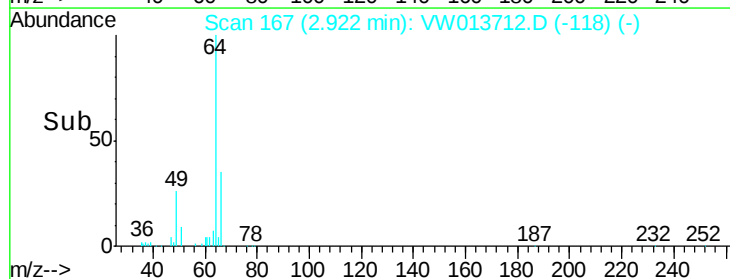
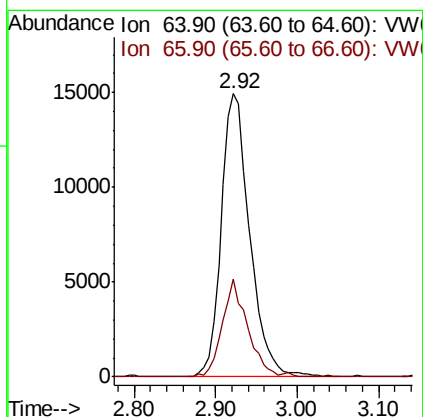
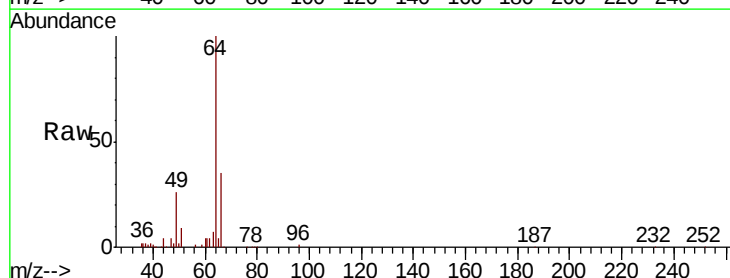
Acq: 24 Oct 2019 15:51

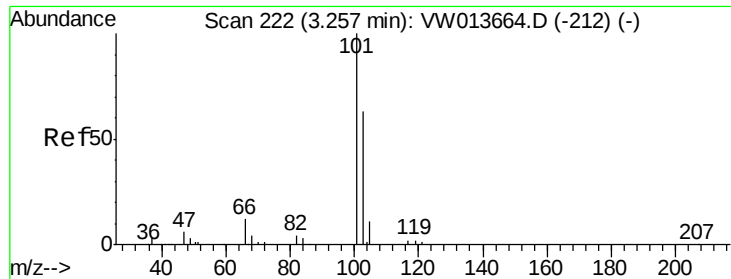
Tgt Ion: 64 Resp: 36038

Ion Ratio Lower Upper

64 100

66 34.6 25.4 38.0





#7

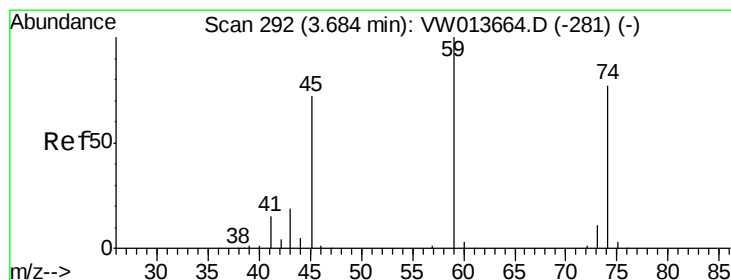
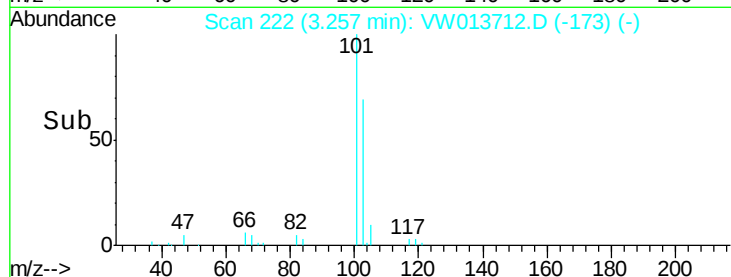
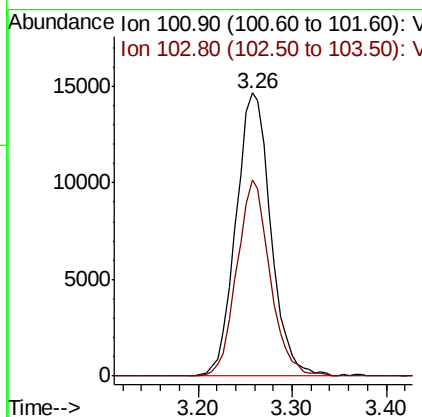
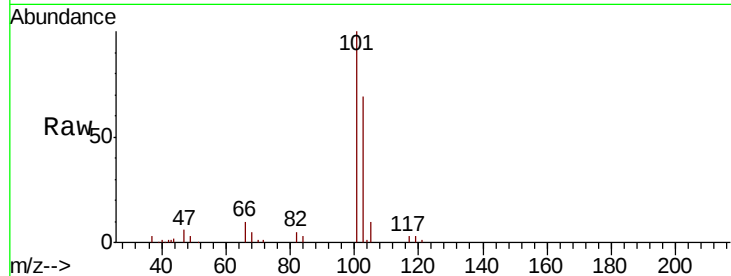
Trichlorofluoromethane
 Concen: 21.492 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	50.6	76.0

Manual Integrations
 APPROVED

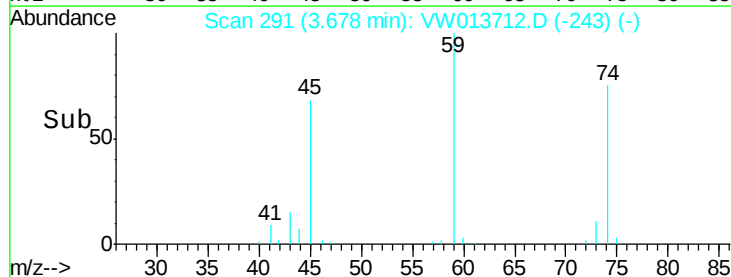
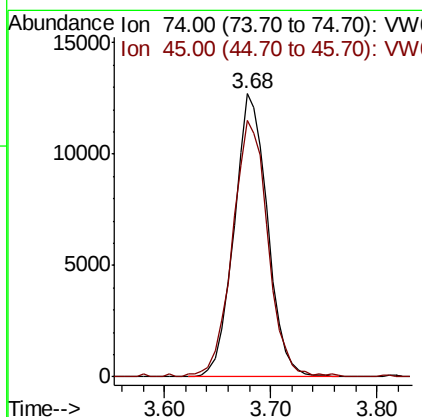
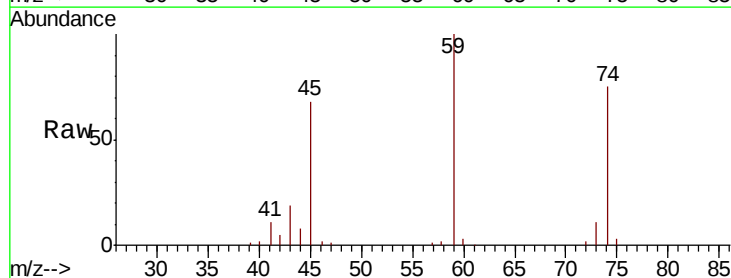
MMDadoda
 10/25/2019 4:47:22 PM

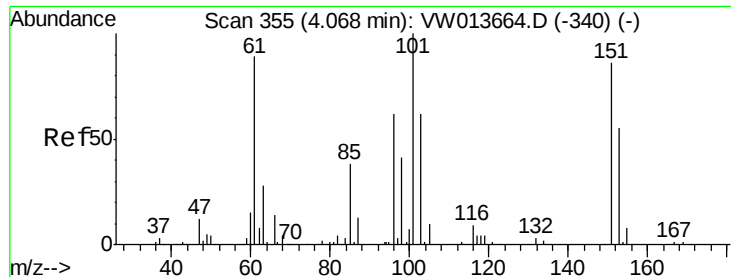


#8

Diethyl Ether
 Concen: 19.655 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.997 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

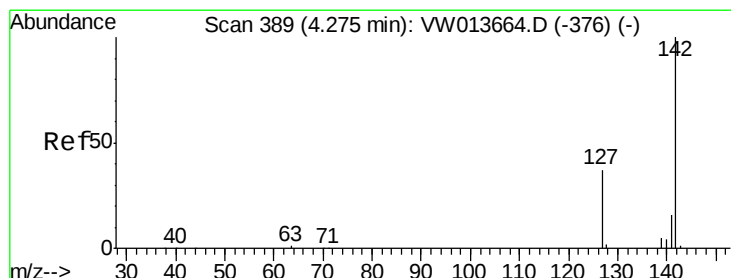
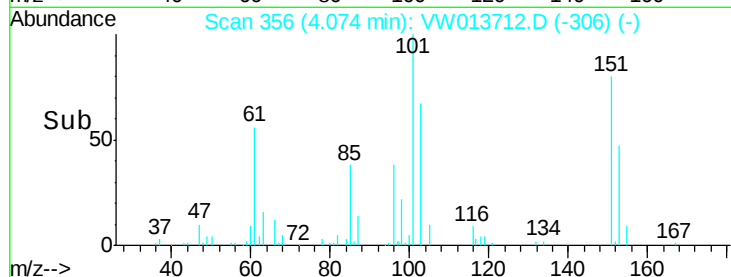
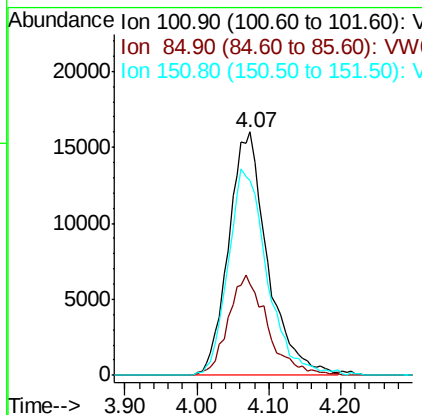
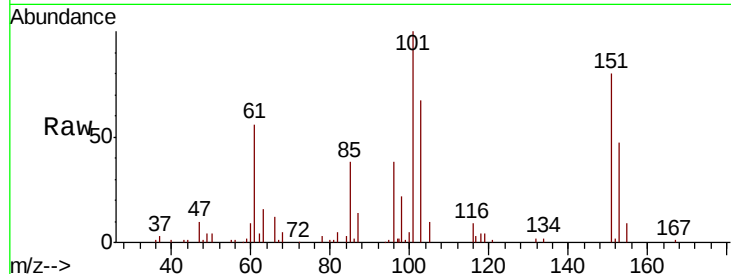
ClientSampleId :

VW1024SBS01

Tot Ion:	101	Resp:	60171
Ion Ratio	Lower	Upper	
101	100		
85	41.6	31.0	46.6
151	85.1	68.2	102.4

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:47:22 PM



#10

Methyl Iodide

Concen: 20.524 ug/l

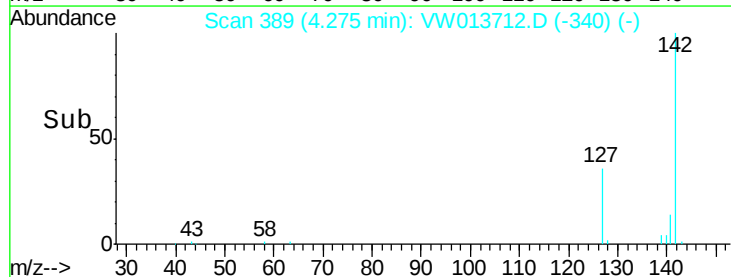
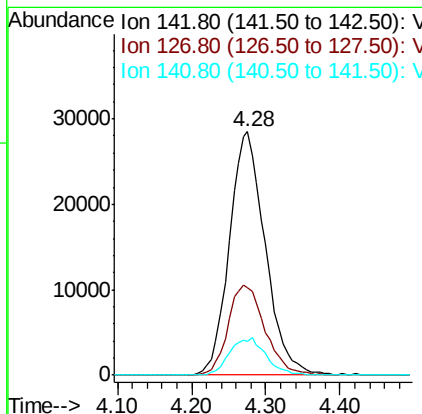
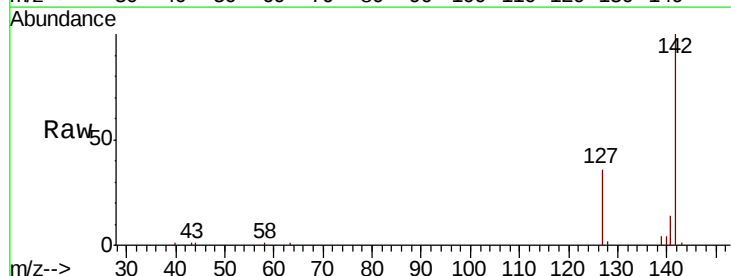
RT: 4.28 min Scan# 389

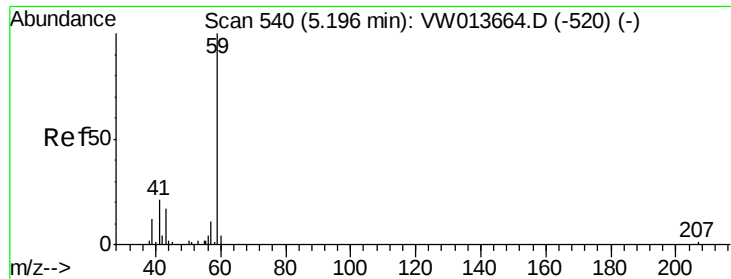
Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Tgt Ion:	142	Resp:	95842
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.3	45.5
141	15.6	11.8	17.8





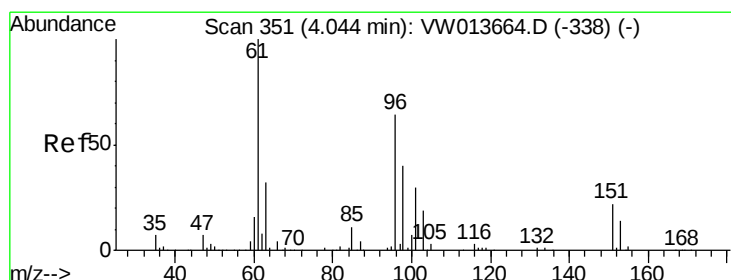
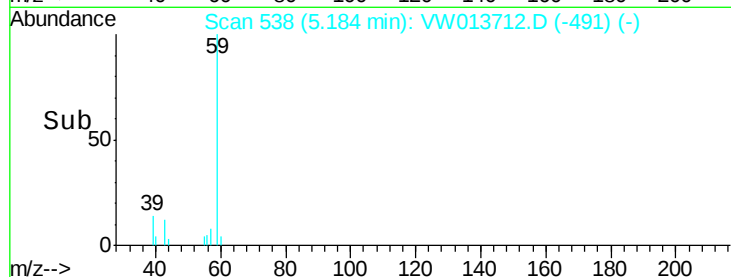
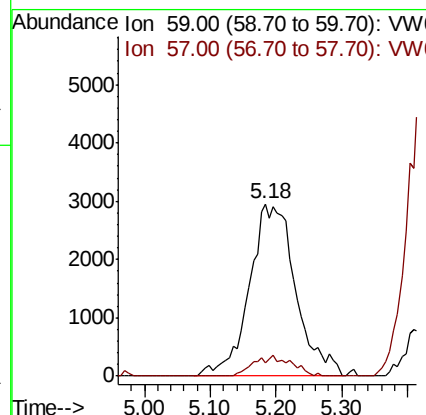
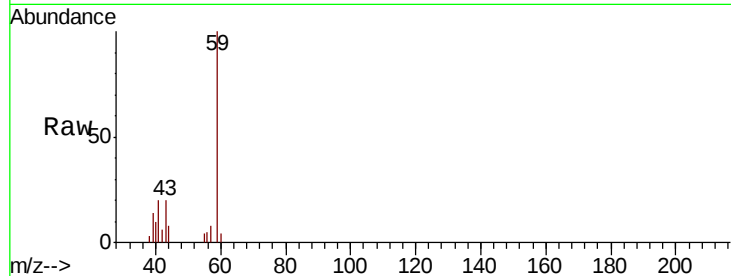
#11
Tert butyl alcohol
Concen: 97.238 ug/l m
RT: 5.18 min Scan# 538
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion: 59 Resp: 14373
Ion Ratio Lower Upper
59 100
57 3.7 8.8 13.2#

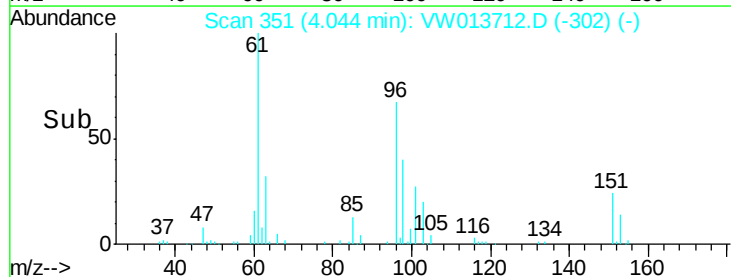
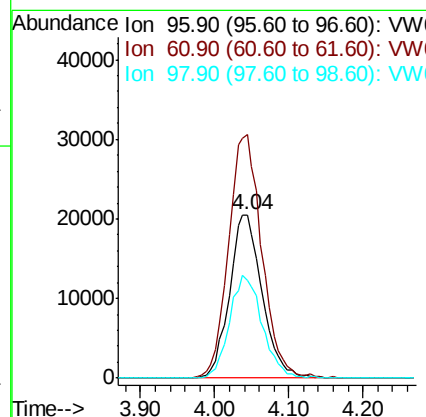
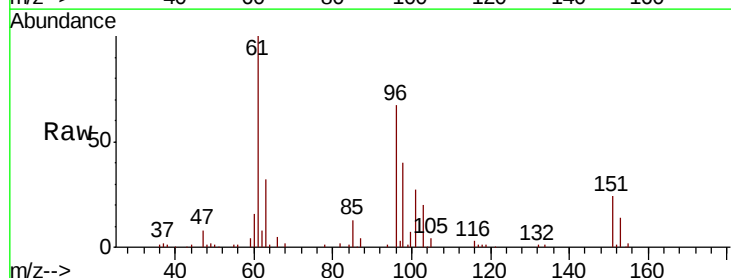
Manual Integrations
APPROVED

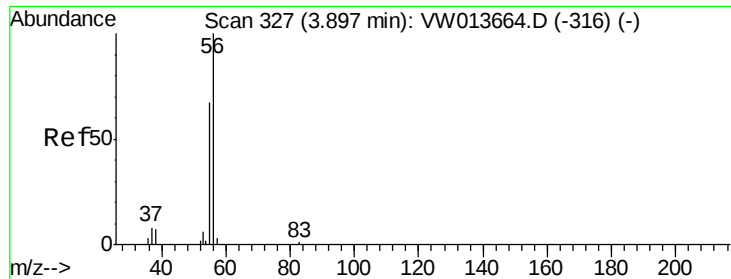
MMDadoda
10/25/2019 4:47:22 PM



#12
1,1-Dichloroethene
Concen: 21.246 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 96 Resp: 62892
Ion Ratio Lower Upper
96 100
61 149.2 125.0 187.6
98 60.0 50.3 75.5





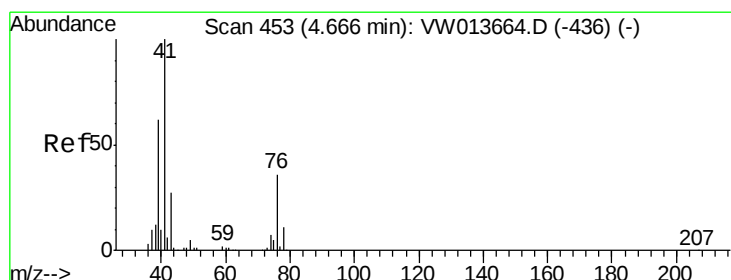
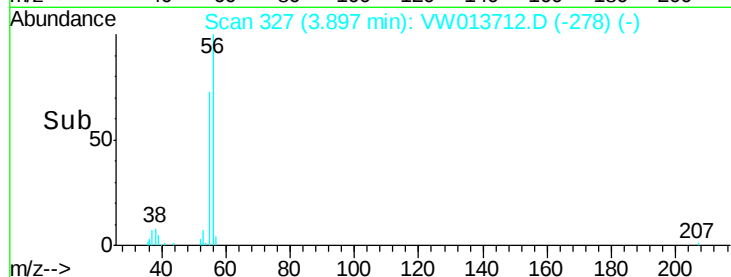
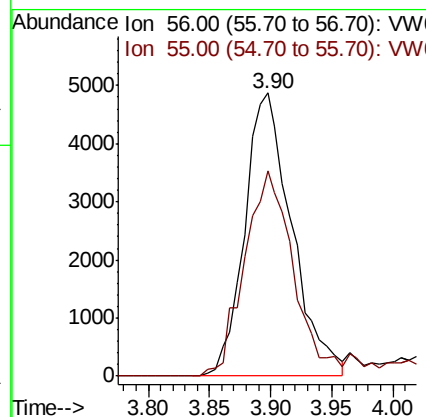
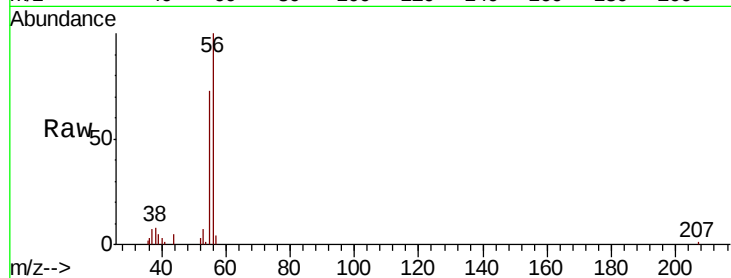
#13
Acrolein
Concen: 76.879 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	56	Resp	13019
Ion Ratio	100	Lower	Upper
56	100	56.1	84.1
55	75.0		

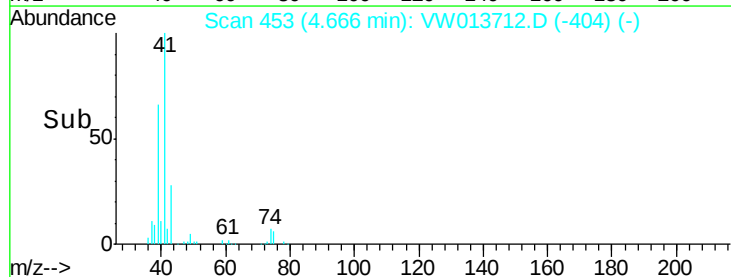
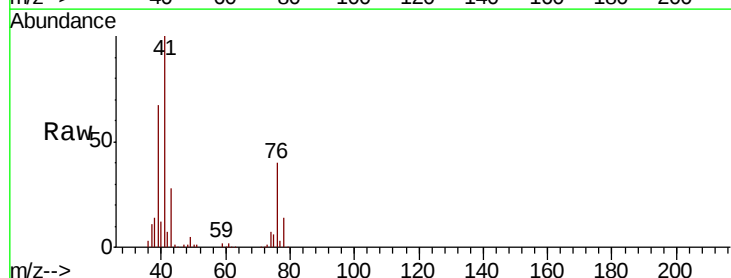
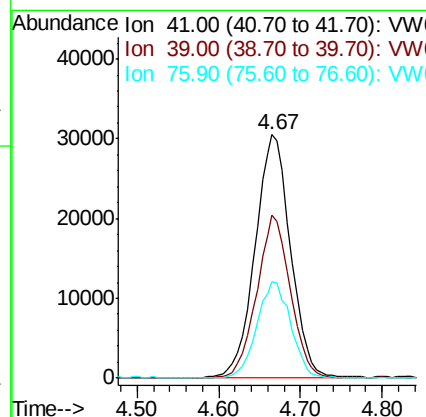
Manual Integrations
APPROVED

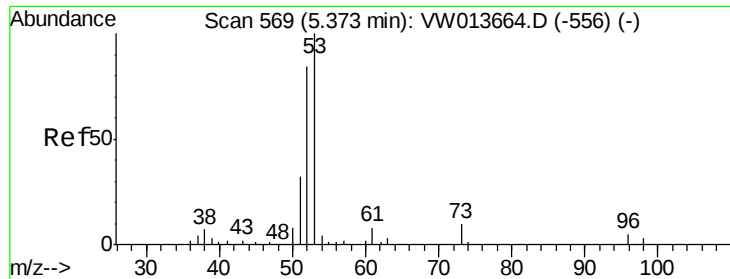
MMDadoda
10/25/2019 4:47:22 PM



#14
Allyl chloride
Concen: 20.262 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	41	Resp	92229
Ion Ratio	100	Lower	Upper
41	100	50.0	75.0
39	63.6	29.6	44.4
76	37.9		





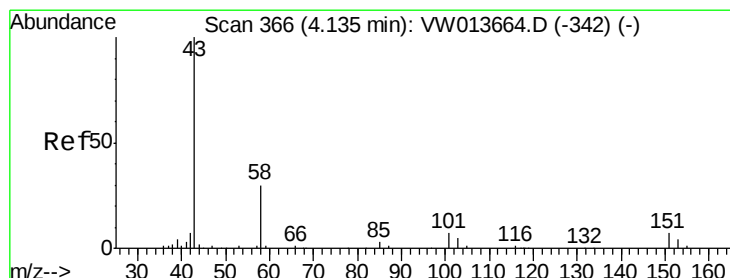
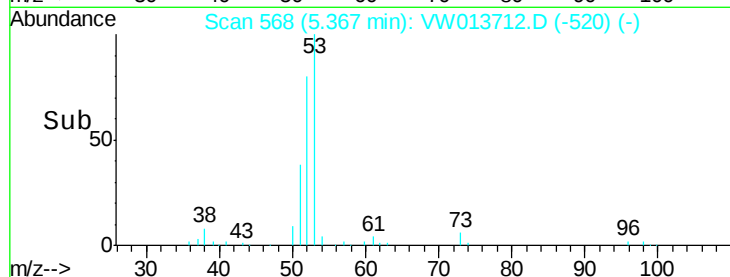
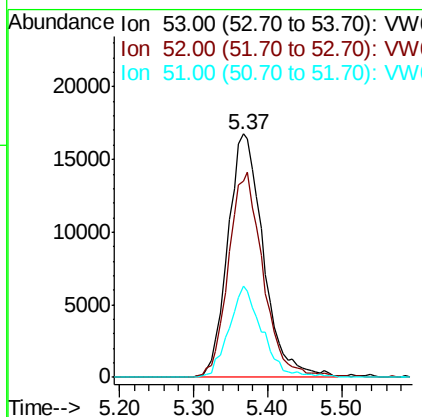
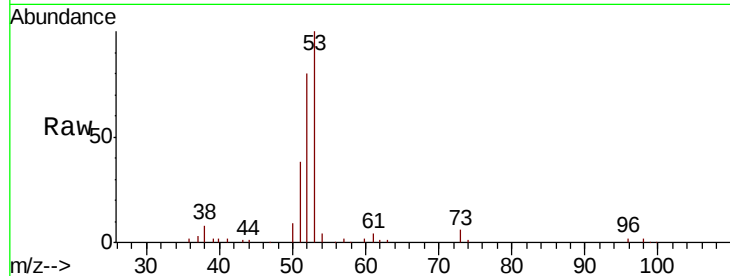
#15
 Acrylonitrile
 Concen: 96.792 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.4	101.0
51	35.0	29.1	43.7

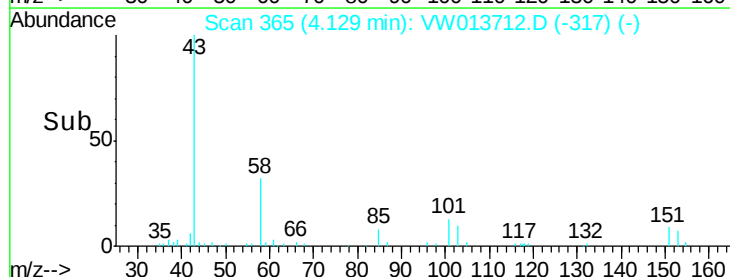
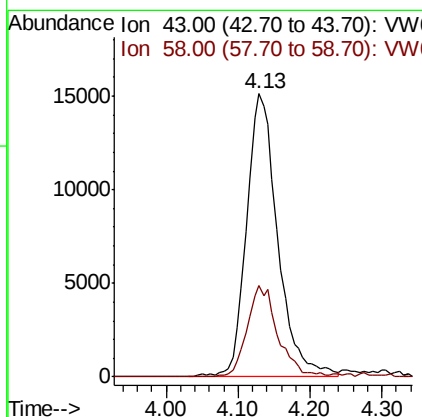
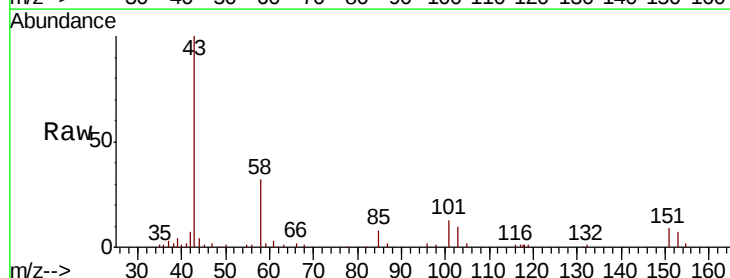
Manual Integrations
 APPROVED

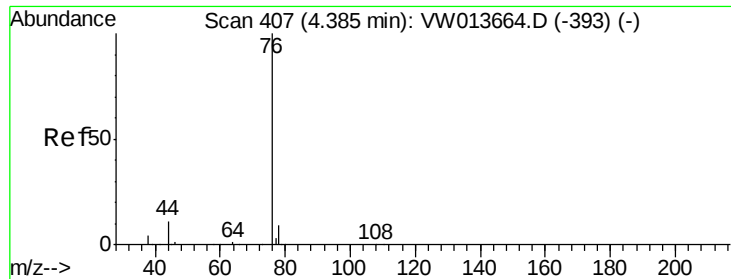
MMDadoda
 10/25/2019 4:47:22 PM



#16
 Acetone
 Concen: 86.925 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.1	36.1





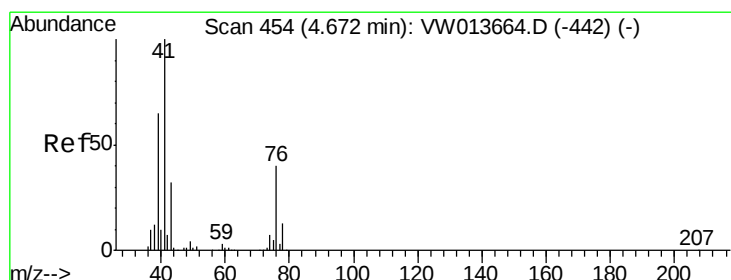
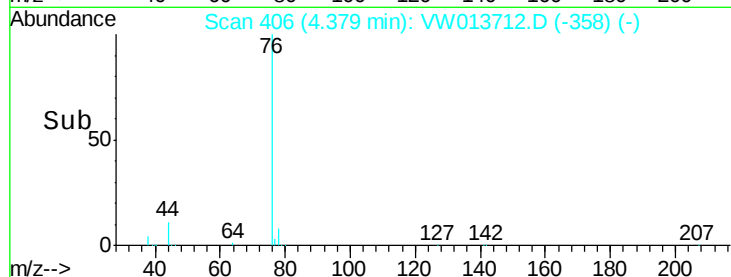
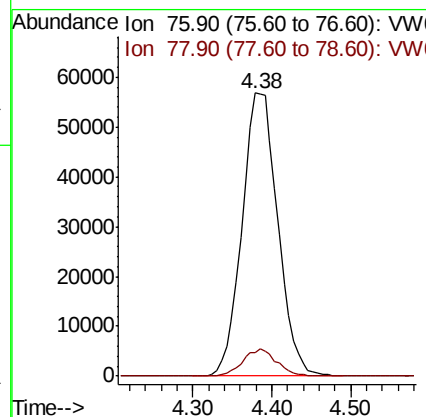
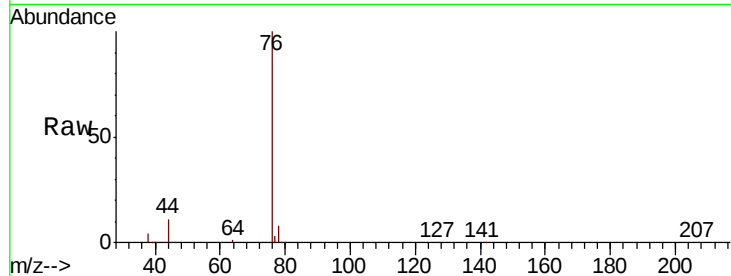
#17
Carbon Disulfide
Concen: 21.095 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	179337		
78	8.4		7.0	10.6

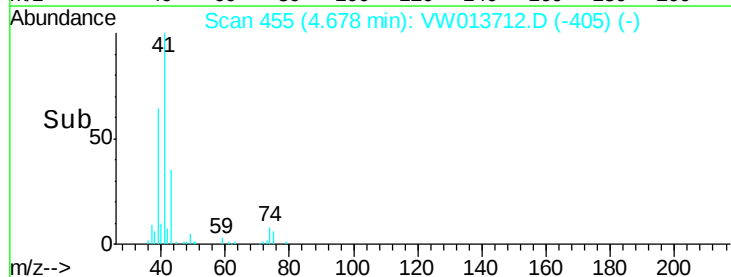
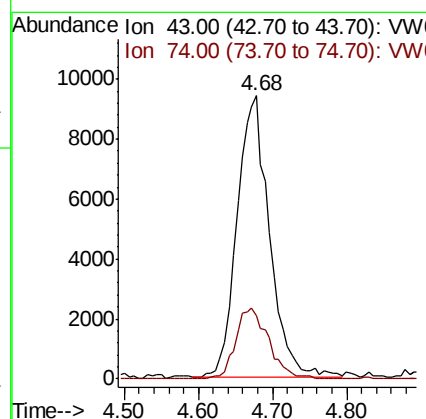
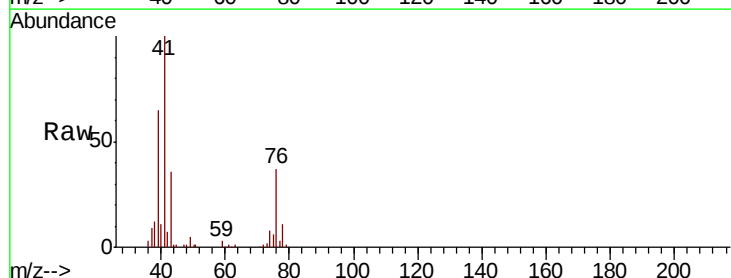
Manual Integrations
APPROVED

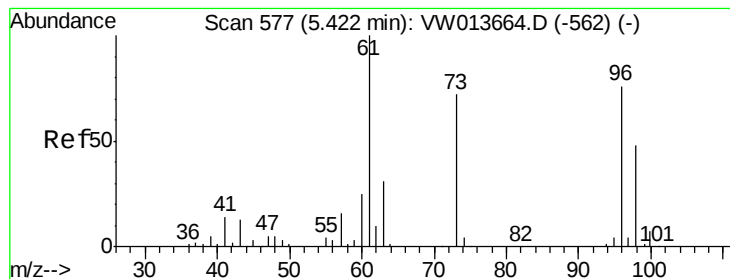
MMDadoda
10/25/2019 4:47:22 PM



#18
Methyl Acetate
Concen: 19.978 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	28751		
74	25.5		19.8	29.8





#19

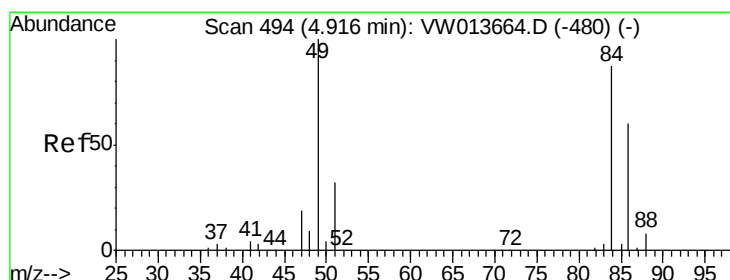
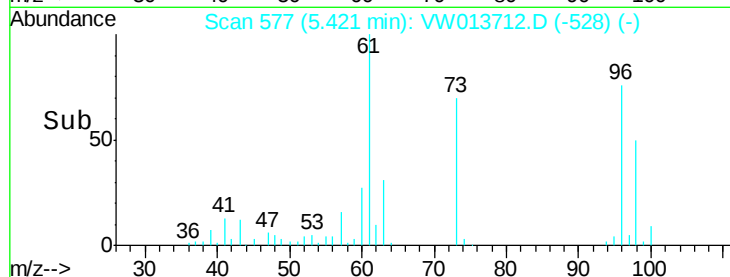
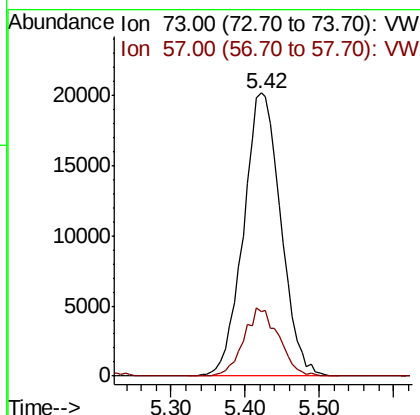
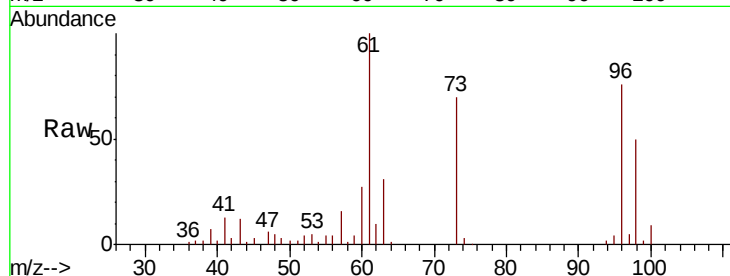
Methyl tert-butyl Ether
 Concen: 19.934 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.6	26.4

Manual Integrations
 APPROVED

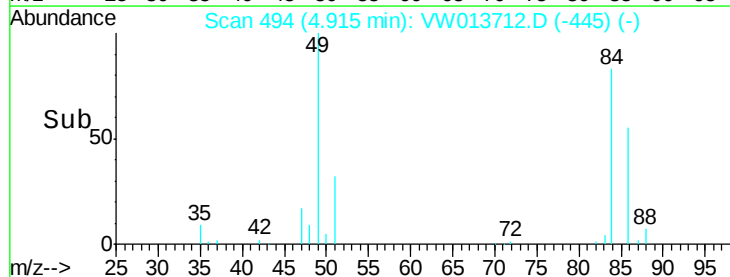
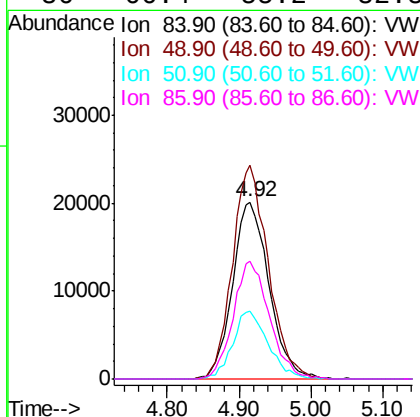
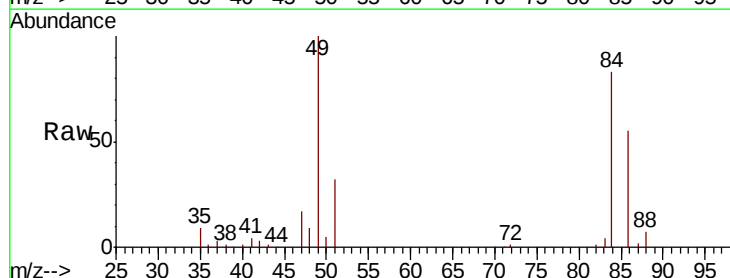
MMDadoda
 10/25/2019 4:47:22 PM

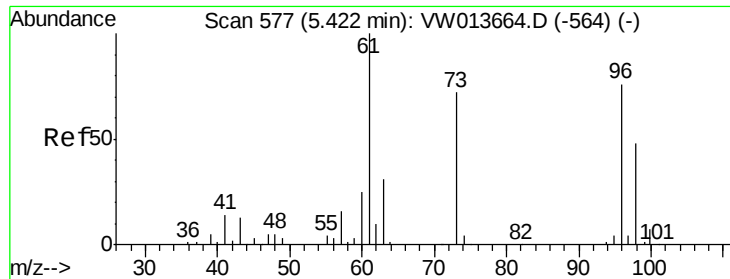


#20

Methylene Chloride
 Concen: 21.801 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.7	91.8	137.6
51	38.7	29.8	44.6
86	66.4	55.2	82.8





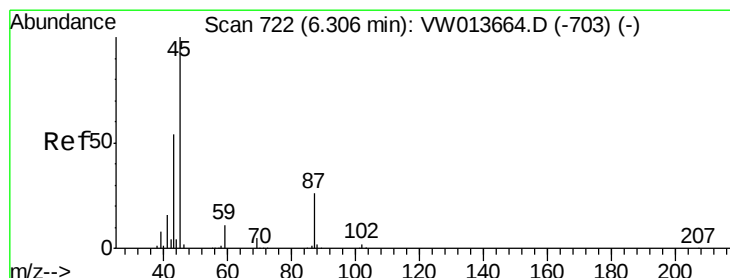
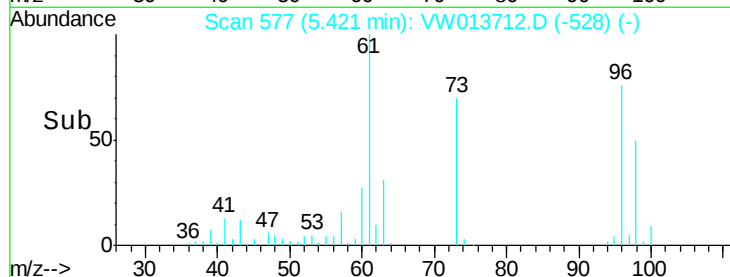
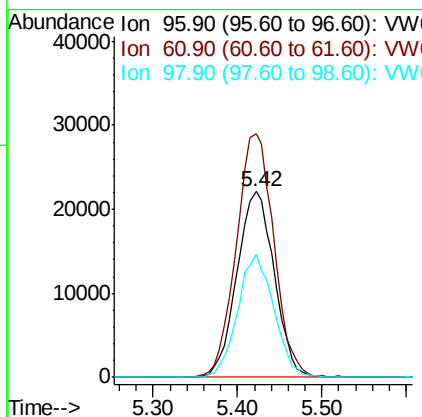
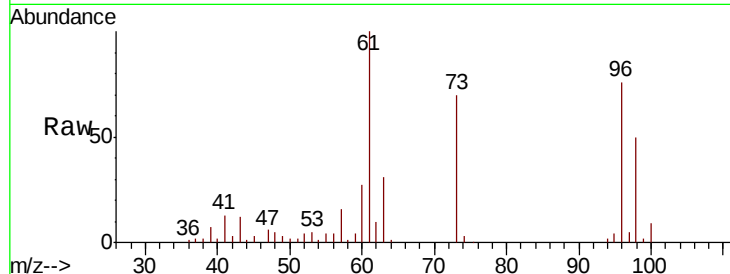
#21
trans-1,2-Dichloroethene
Concen: 20.789 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	104.8	157.2
98	66.2	50.6	76.0

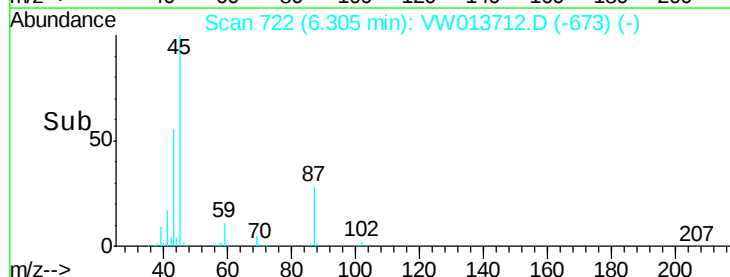
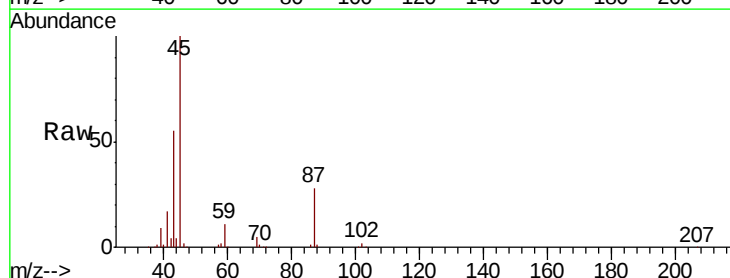
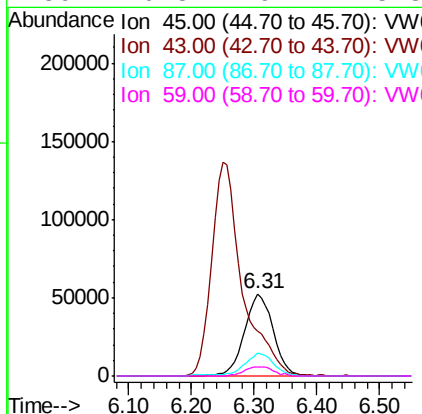
Manual Integrations
APPROVED

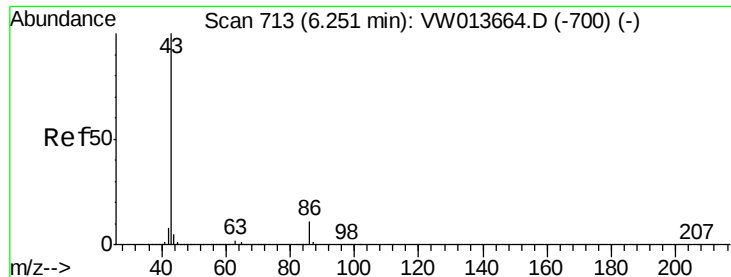
MMDadoda
10/25/2019 4:47:22 PM



#22
Diisopropyl ether
Concen: 19.981 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.8	43.4	65.2
87	27.6	21.5	32.3
59	10.8	9.2	13.8





#23

Vinyl Acetate

Concen: 95.521 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleID :

VW1024SBS01

Tot Ion: 43 Resp: 460184

Ion Ratio Lower Upper

43 100

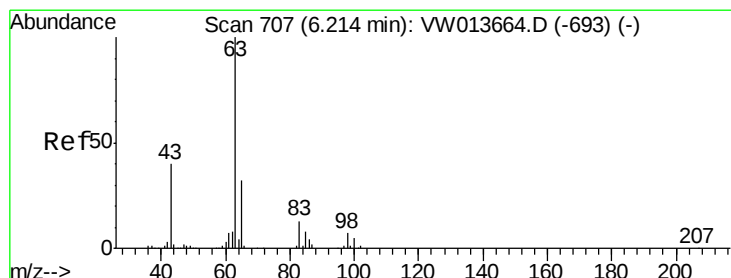
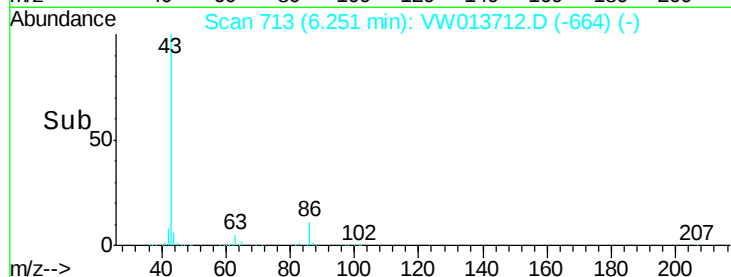
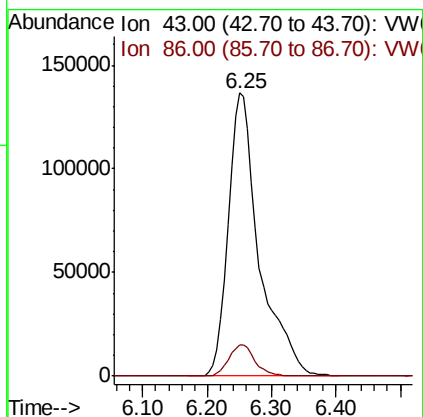
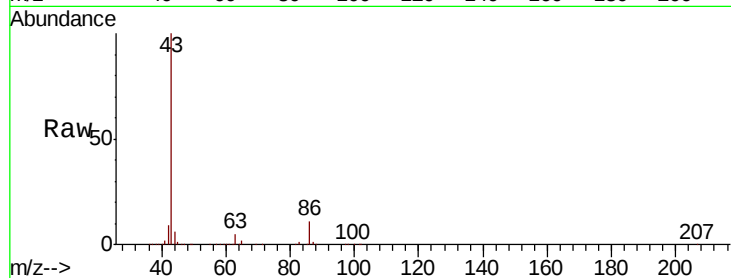
86 11.2 9.0 13.6

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:47:22 PM



#24

1,1-Dichloroethane

Concen: 20.323 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

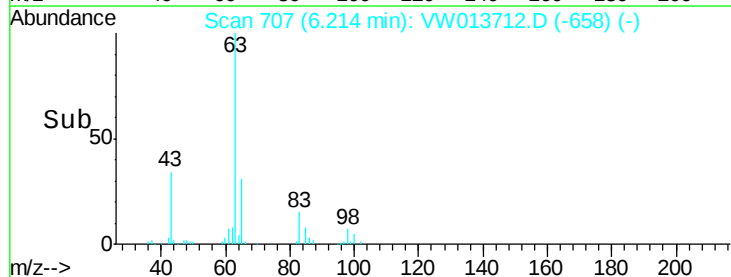
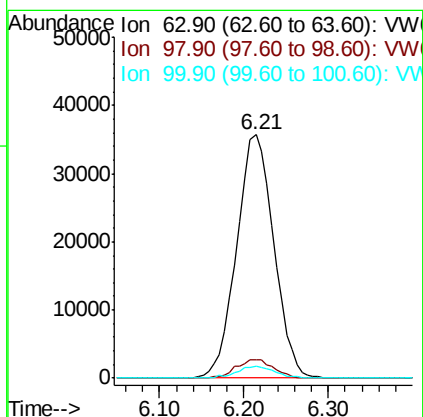
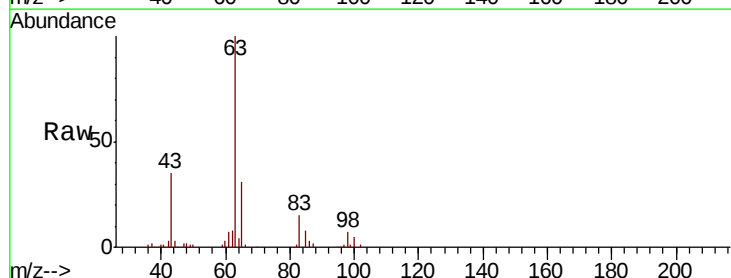
Tgt Ion: 63 Resp: 106866

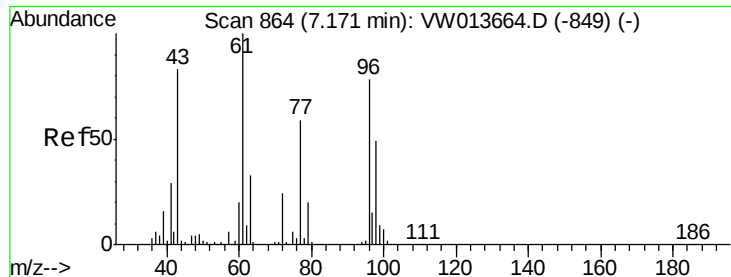
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 92.034 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion: 43 Resp: 69465

Ion Ratio Lower Upper

43 100

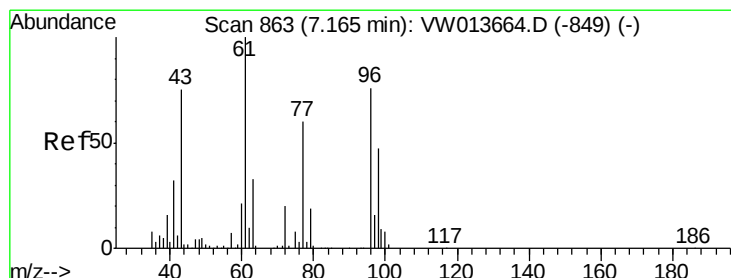
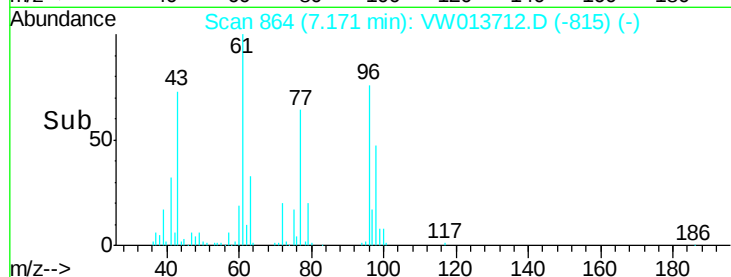
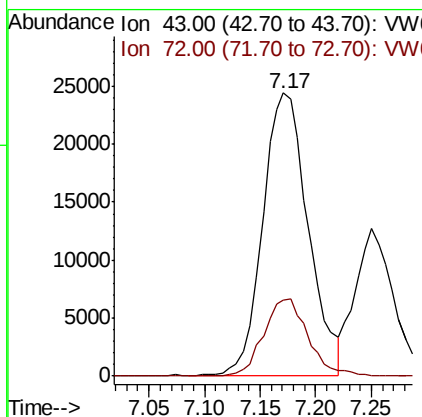
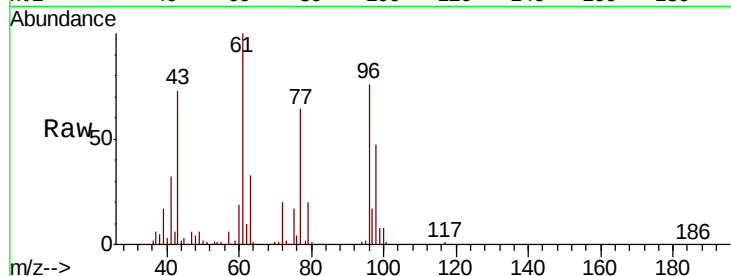
72 26.8 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:47:22 PM



#26

2,2-Dichloropropane

Concen: 20.956 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013712.D

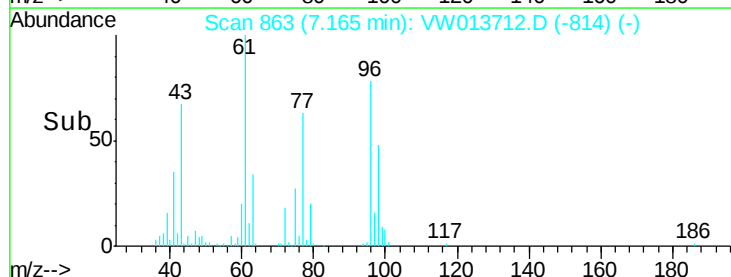
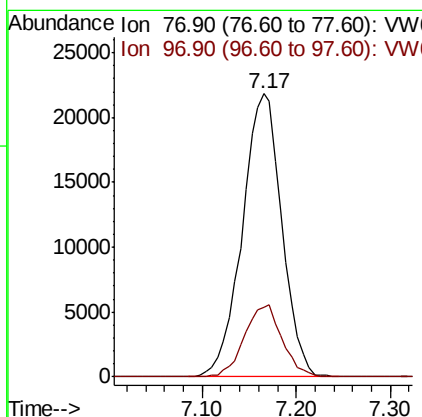
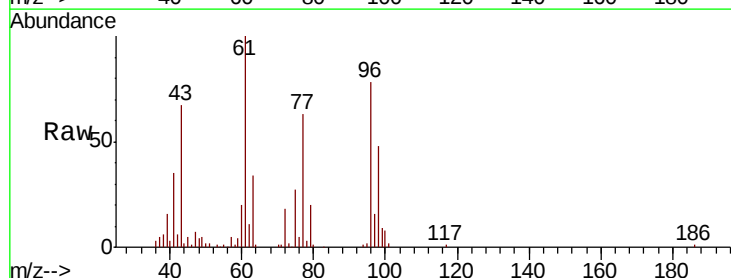
Acq: 24 Oct 2019 15:51

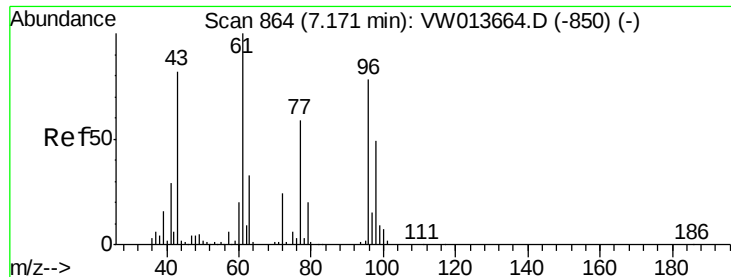
Tgt Ion: 77 Resp: 63721

Ion Ratio Lower Upper

77 100

97 24.2 12.8 38.4





#27

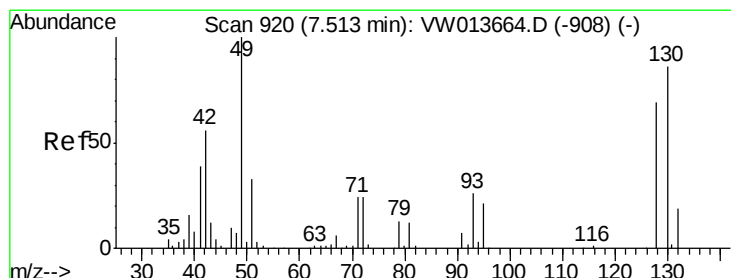
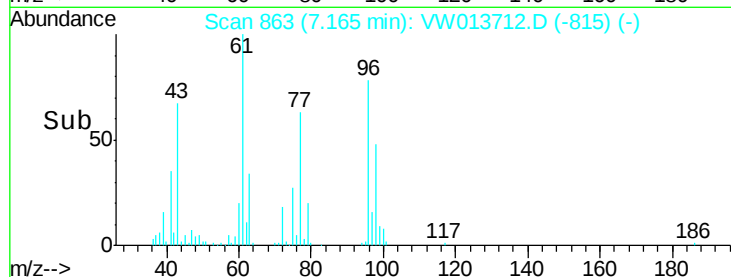
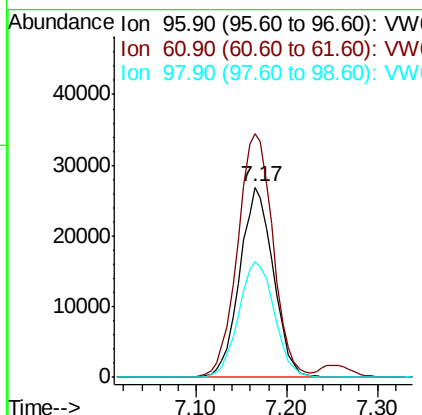
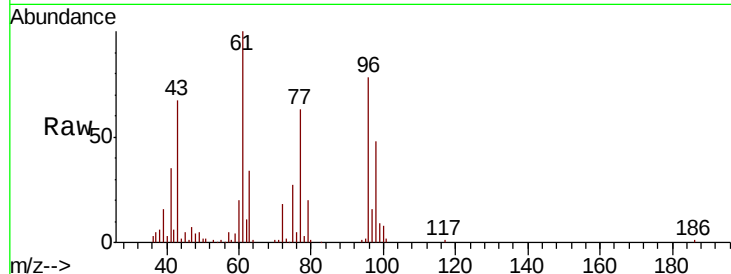
cis-1,2-Dichloroethene
Concen: 20.334 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	68810		
61	135.7	0.0	266.0	
98	64.7	0.0	126.8	

Manual Integrations
APPROVED

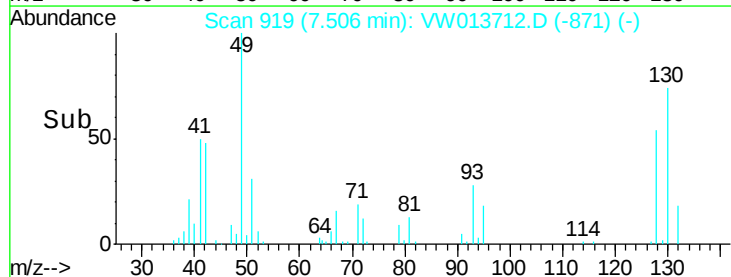
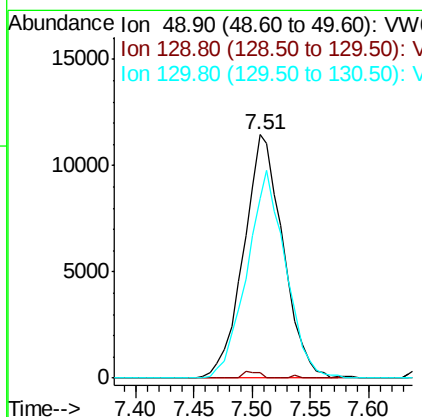
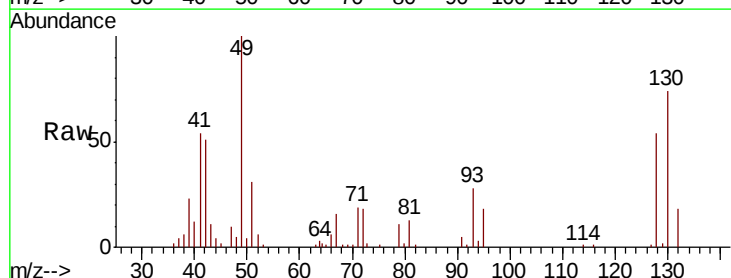
MMDadoda
10/25/2019 4:47:22 PM

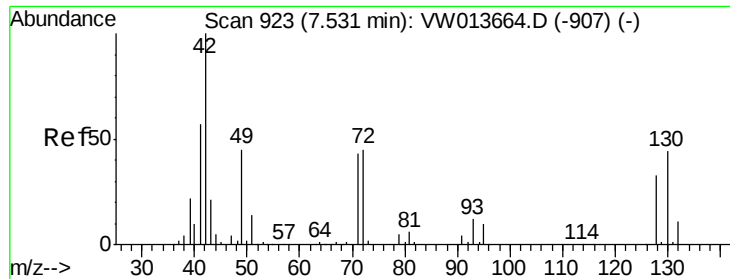


#28

Bromochloromethane
Concen: 15.329 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	26929		
129	1.1	0.0	0.6#	
130	84.1	67.5	101.3	





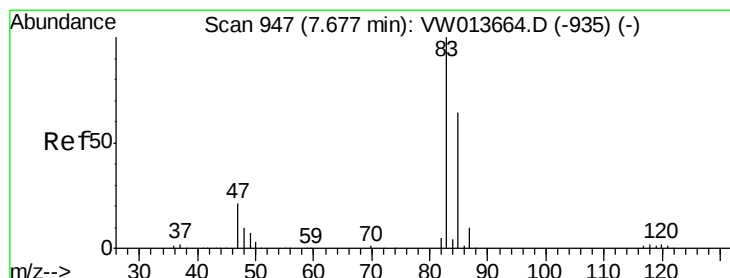
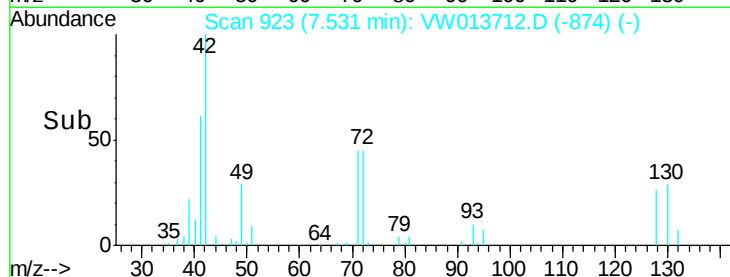
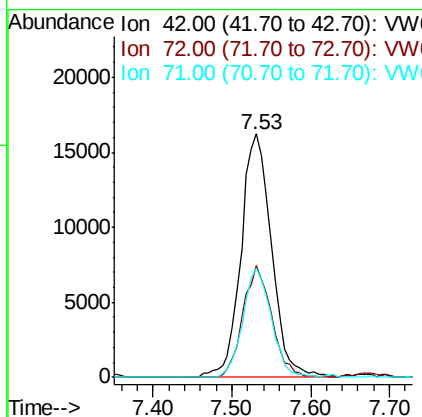
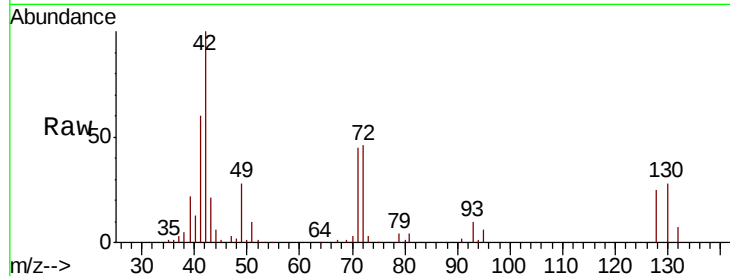
#29
Tetrahydrofuran
Concen: 93.752 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.3	52.9
71	41.7	33.3	49.9

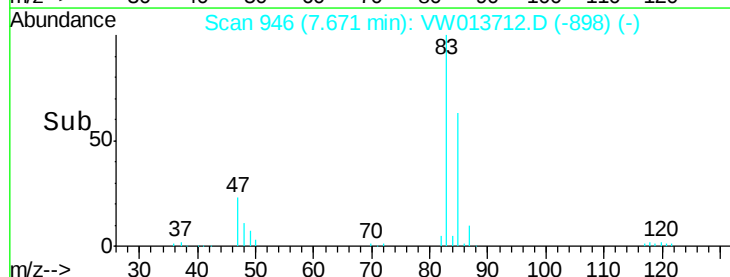
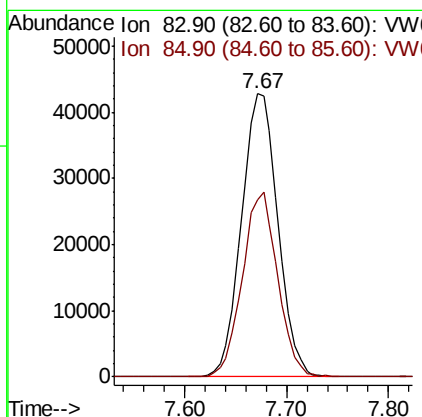
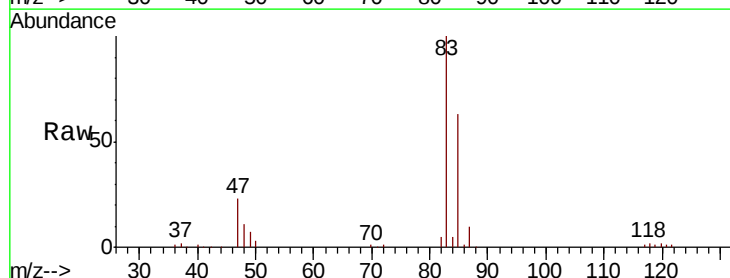
Manual Integrations
APPROVED

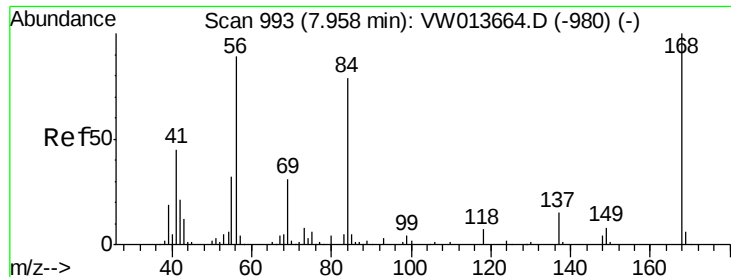
MMDadoda
10/25/2019 4:47:22 PM



#30
Chloroform
Concen: 20.412 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.2





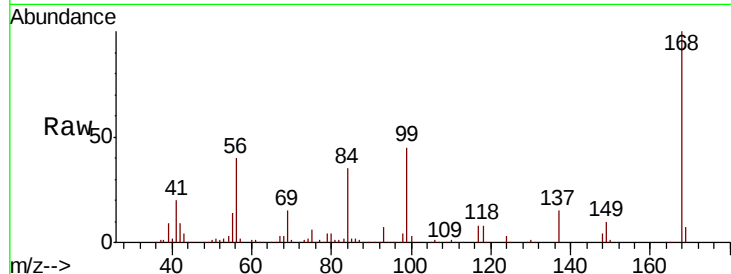
#31
Cyclohexane
Concen: 20.467 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

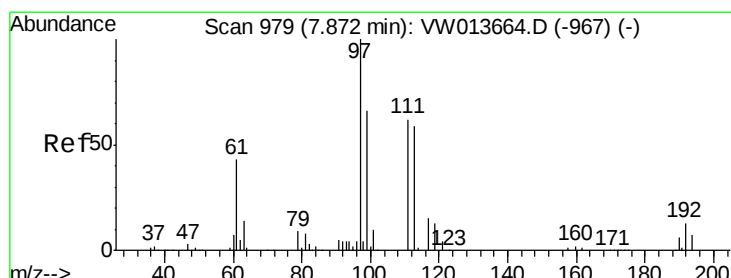
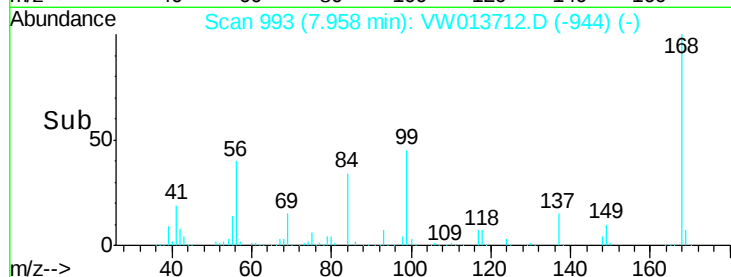
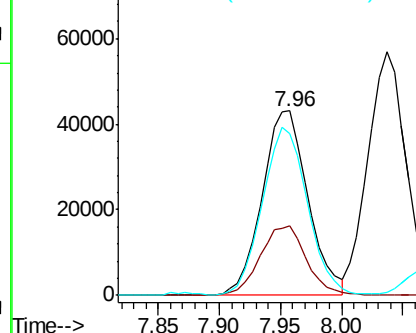
Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	27.5	41.3
84	86.5	70.8	106.2

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:47:22 PM

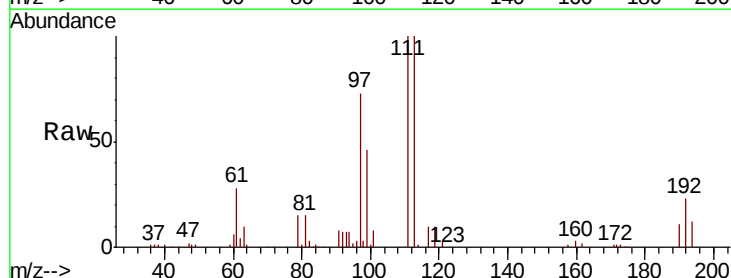


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

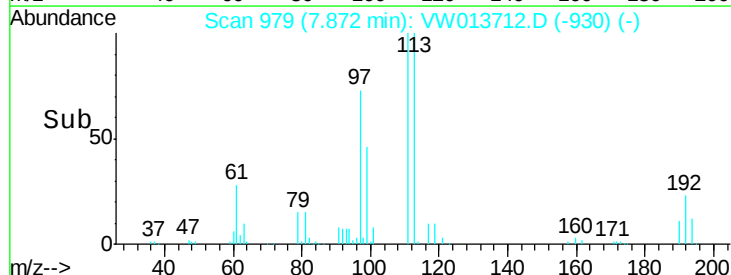
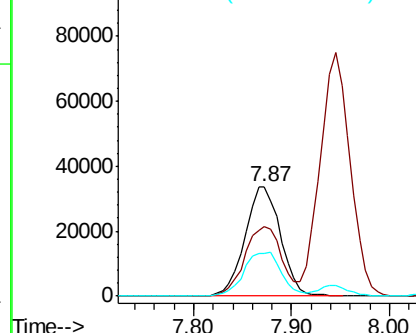


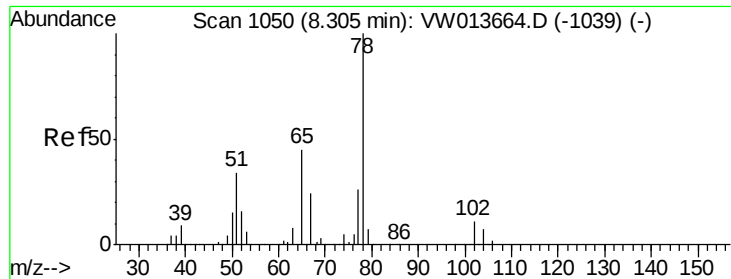
#32
1,1,1-Trichloroethane
Concen: 20.863 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	52.0	78.0
61	42.2	33.8	50.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 51.532 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion: 65 Resp: 127595

Ion Ratio Lower Upper

65 100

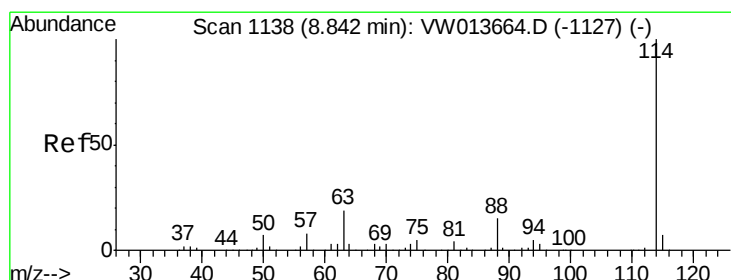
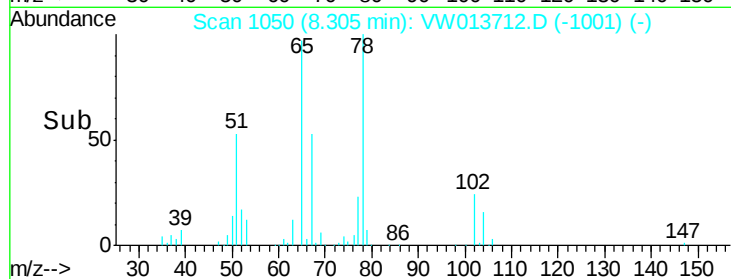
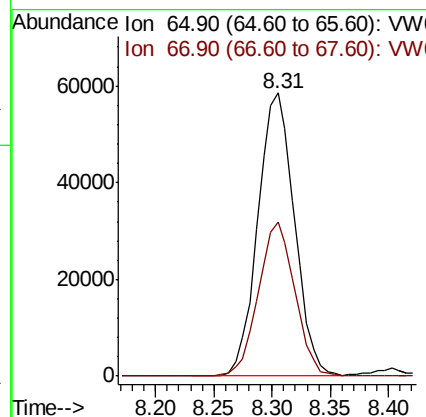
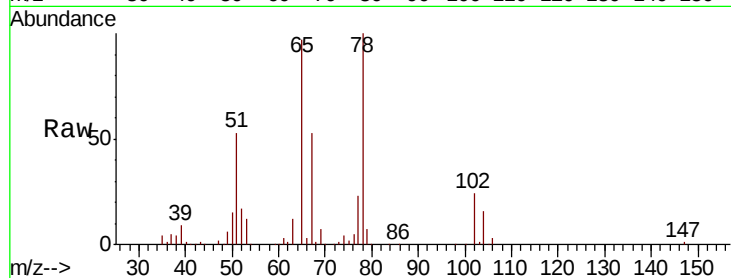
67 54.1 0.0 109.4

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:47:22 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

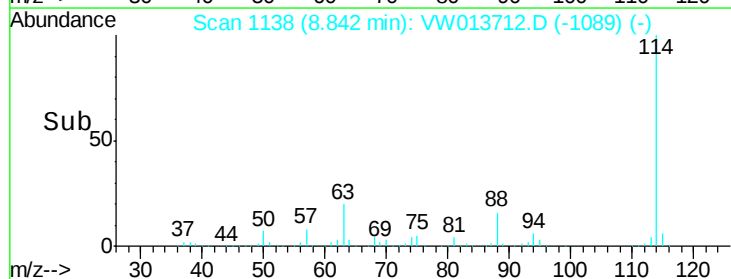
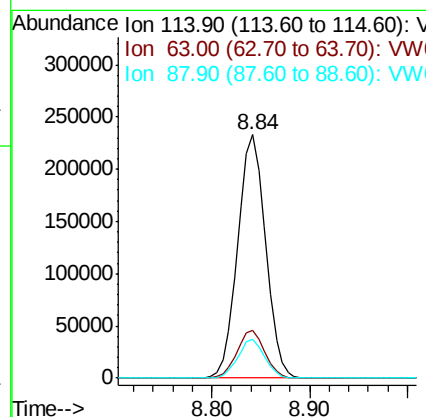
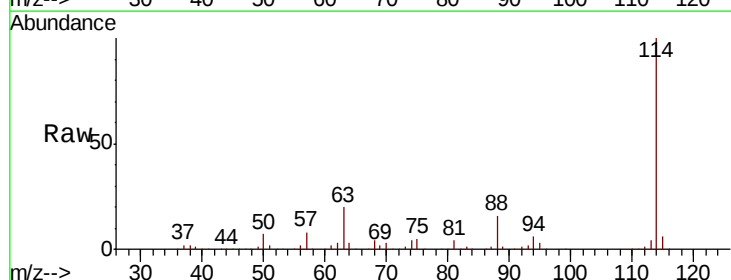
Tgt Ion: 114 Resp: 461275

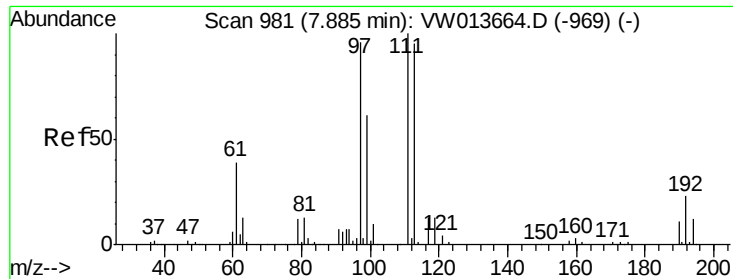
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.6

88 15.9 0.0 30.2





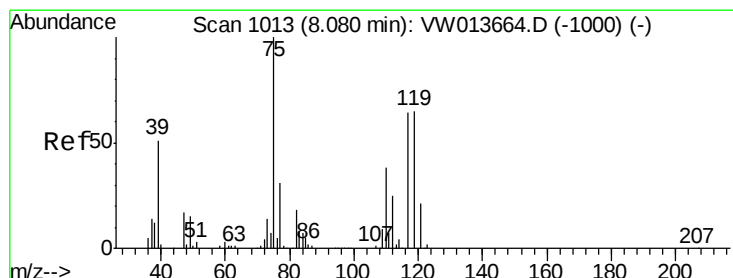
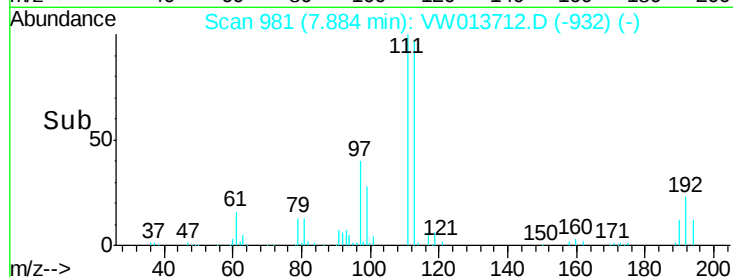
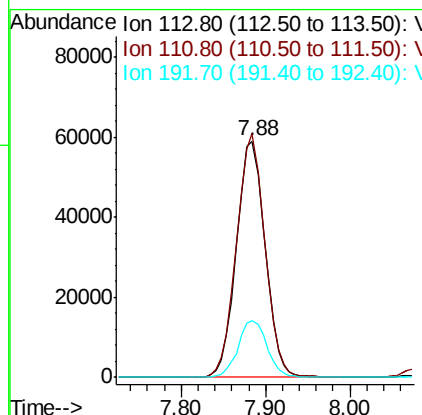
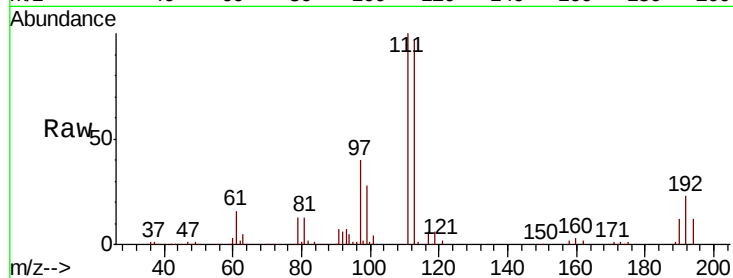
#35
 Dibromofluoromethane
 Concen: 53.147 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	136220		
111	101.7	83.0	124.6	
192	24.2	19.4	29.2	

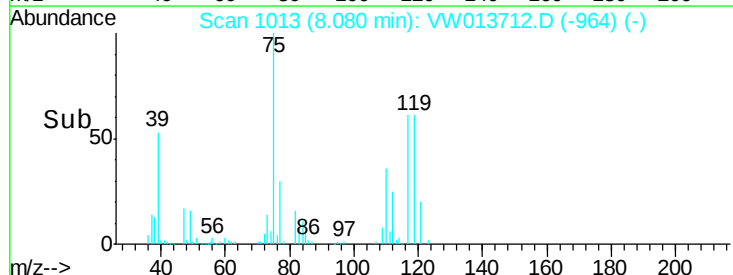
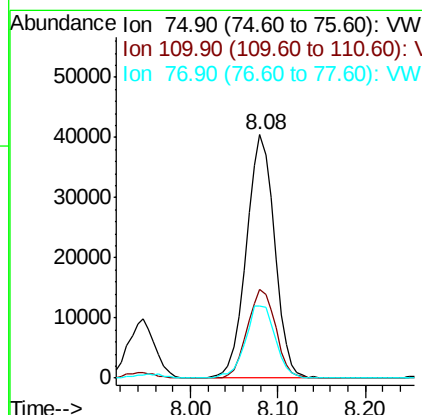
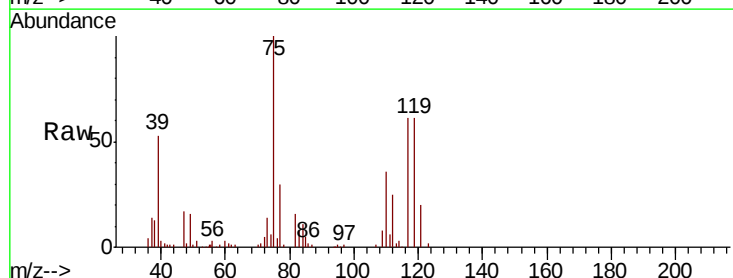
Manual Integrations
 APPROVED

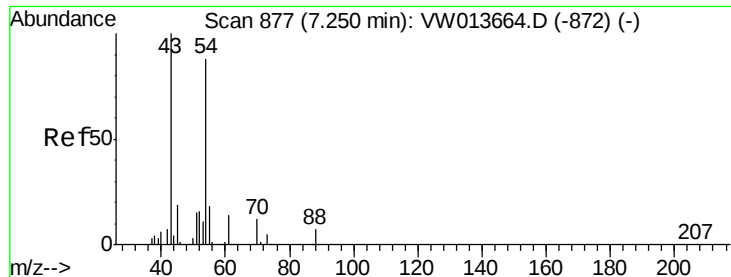
MMDadoda
 10/25/2019 4:47:22 PM



#36
 1,1-Dichloropropene
 Concen: 21.145 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90836		
110	36.5	18.7	56.1	
77	31.4	25.4	38.0	





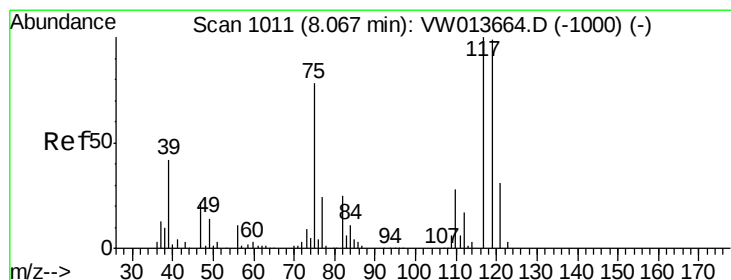
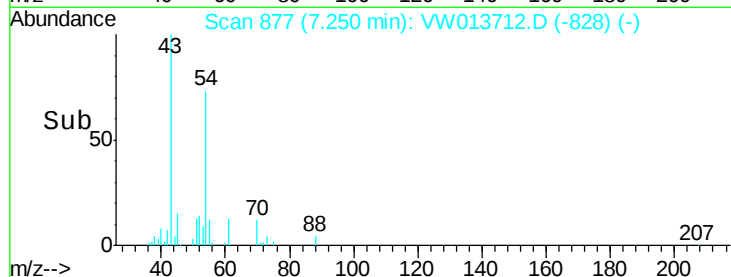
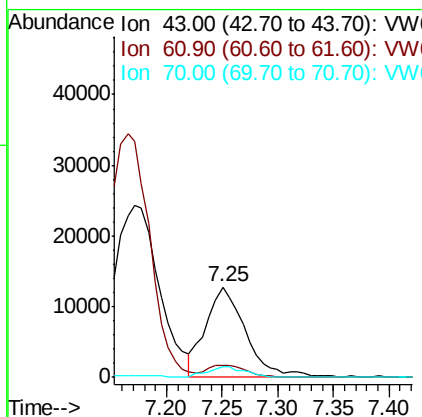
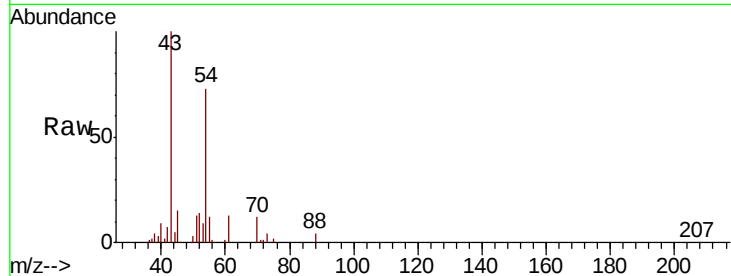
#37
Ethyl Acetate
Concen: 18.826 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.7	17.5
70	11.6	8.8	13.2

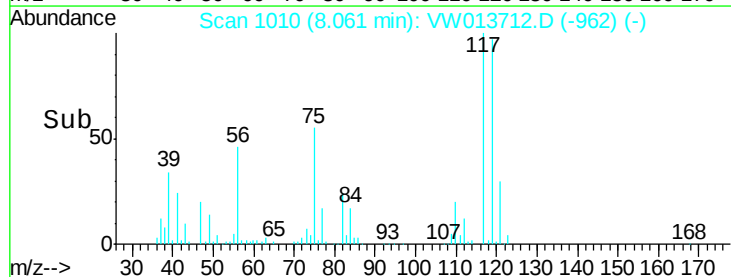
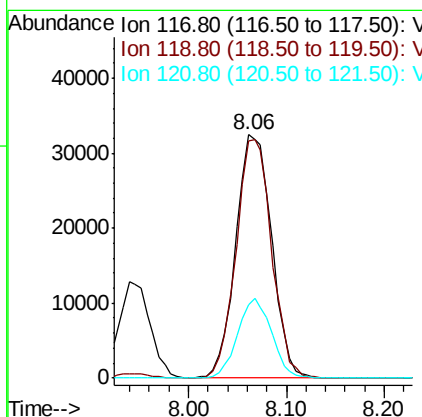
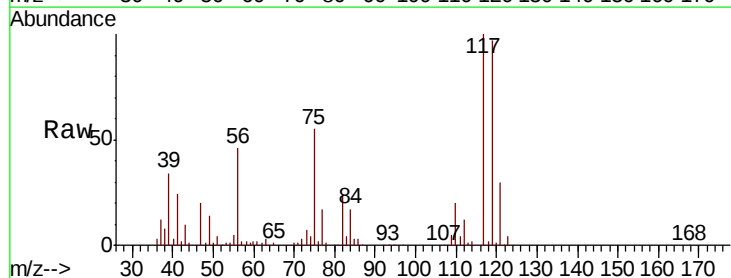
Manual Integrations
APPROVED

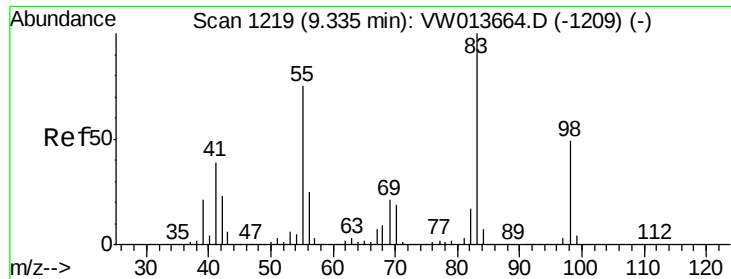
MMDadoda
10/25/2019 4:47:22 PM



#38
Carbon Tetrachloride
Concen: 21.414 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	79.0	118.4
121	30.0	24.5	36.7





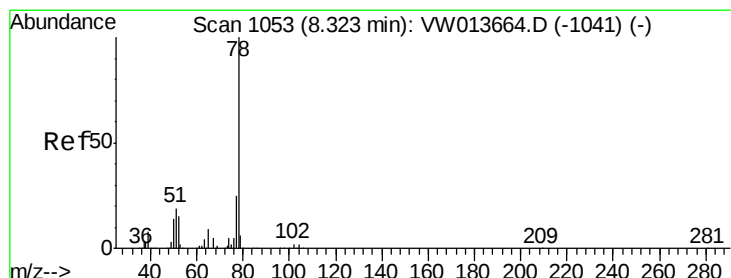
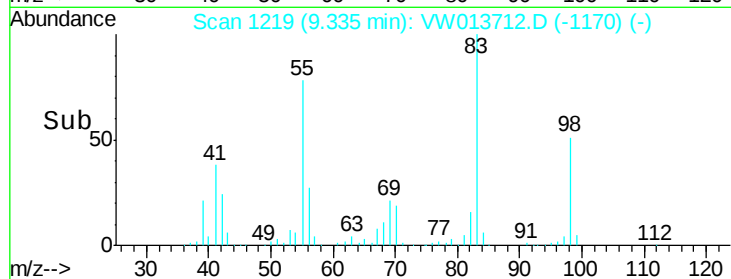
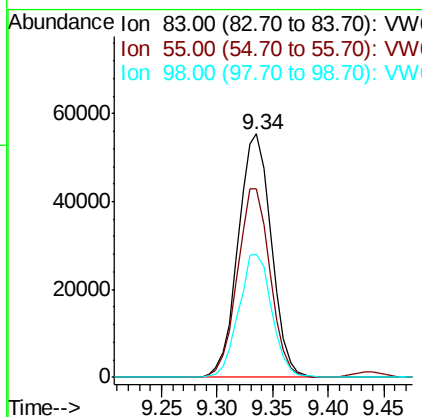
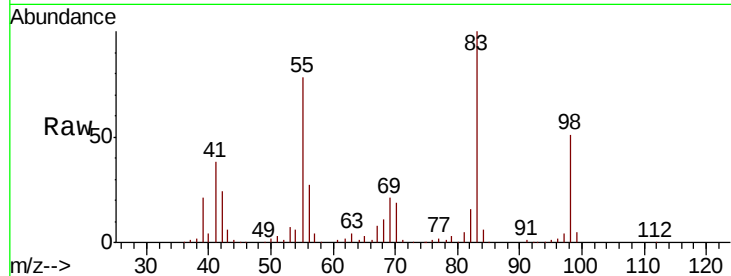
#39
Methvlcvclohexane
Concen: 20.630 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	83	Resp	114447
Ion Ratio	100	Lower	Upper
83	100		
55	77.7	59.9	89.9
98	50.7	39.4	59.2

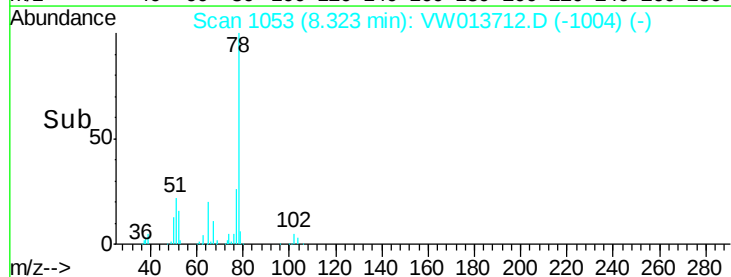
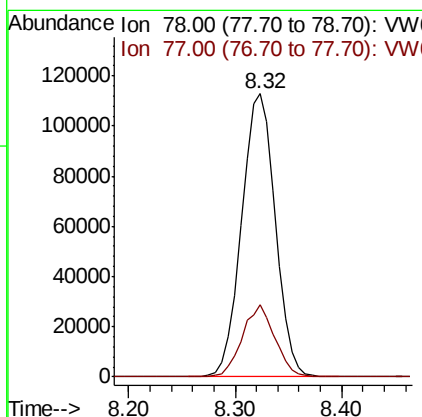
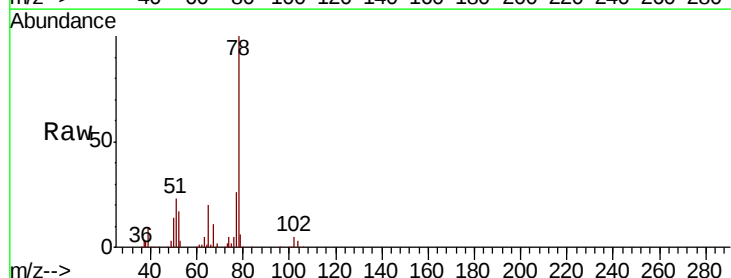
Manual Integrations
APPROVED

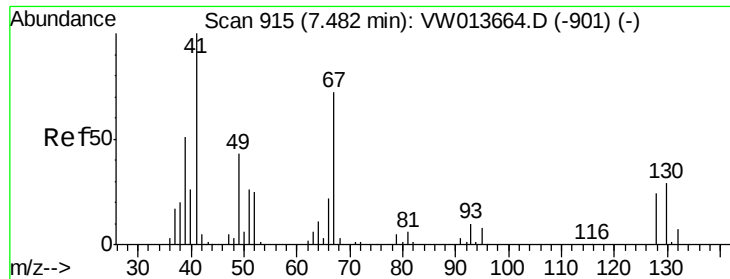
MMDadoda
10/25/2019 4:47:22 PM



#40
Benzene
Concen: 20.631 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	78	Resp	250824
Ion Ratio	100	Lower	Upper
78	100		
77	25.6	19.6	29.4





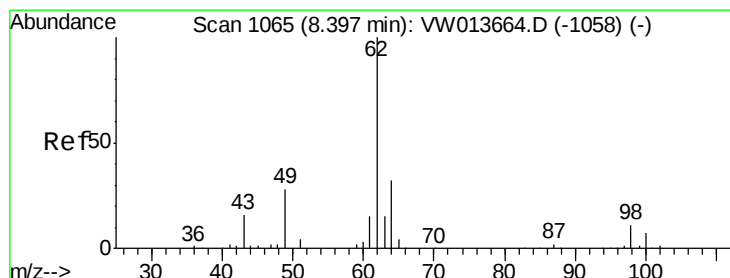
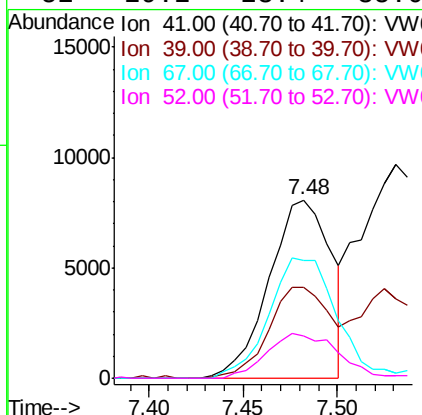
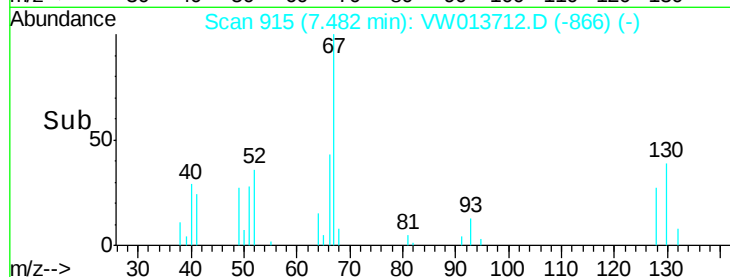
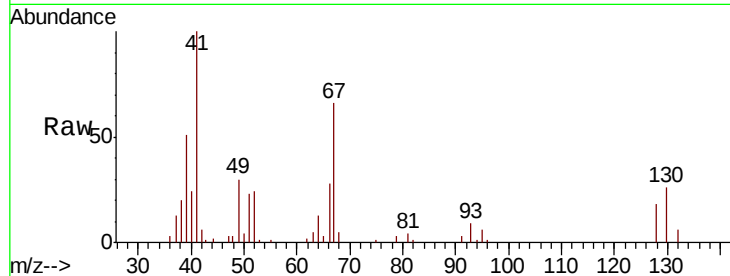
#41
Methacrylonitrile
Concen: 17.991 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampled :
VW1024SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	41.00	100		
39	39.00	50.2	44.8	67.2
67	67.00	74.5	59.3	88.9
52	52.00	29.2	23.4	35.0

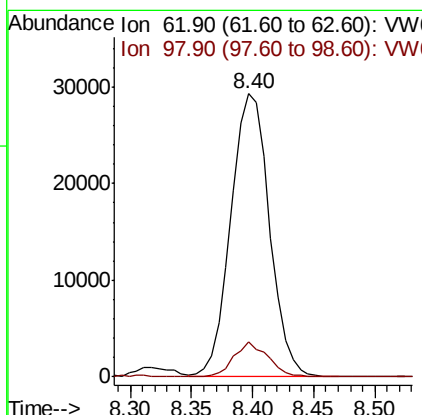
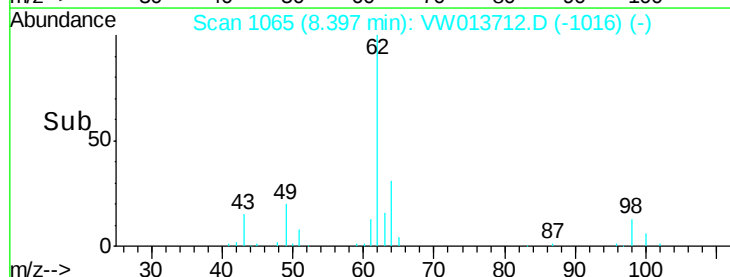
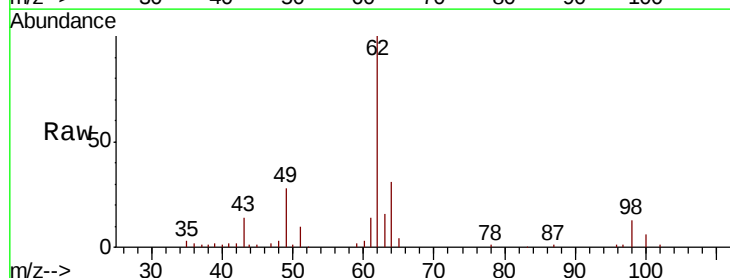
Manual Integrations
APPROVED

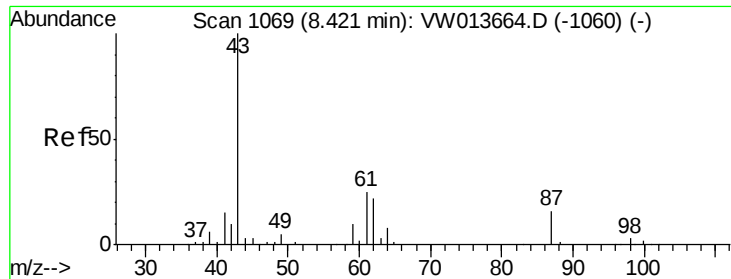
MMDadoda
10/25/2019 4:47:22 PM



#42
1,2-Dichloroethane
Concen: 20.992 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00	100		
98	98.00	11.0	0.0	22.4





#43

Isopropyl Acetate

Concen: 19.183 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

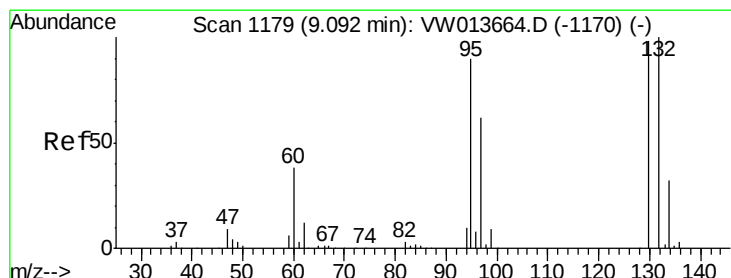
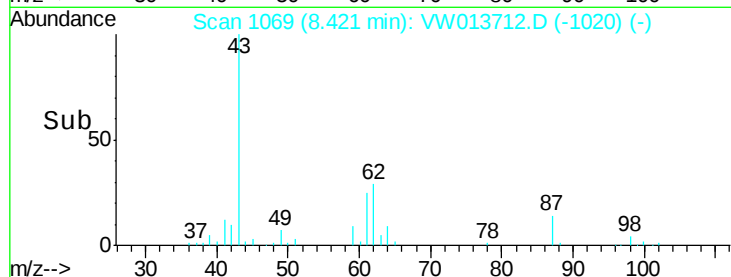
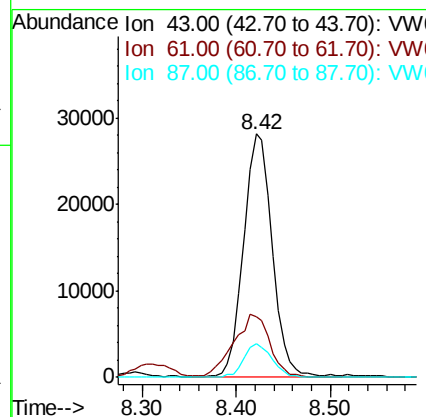
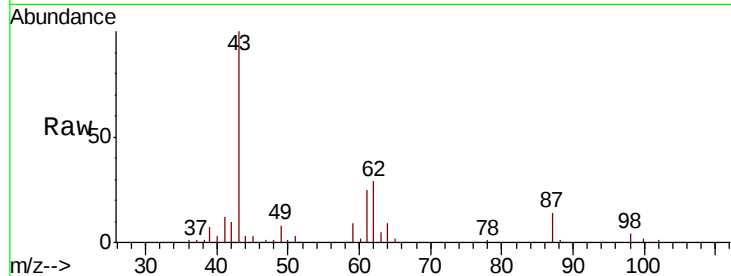
ClientSampleId :

VW1024SBS01

Tot Ion:	43	Resp:	60384
Ion	Ratio	Lower	Upper
43	100		
61	32.4	26.1	39.1
87	13.6	11.4	17.0

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:47:22 PM



#44

Trichloroethene

Concen: 21.249 ug/l

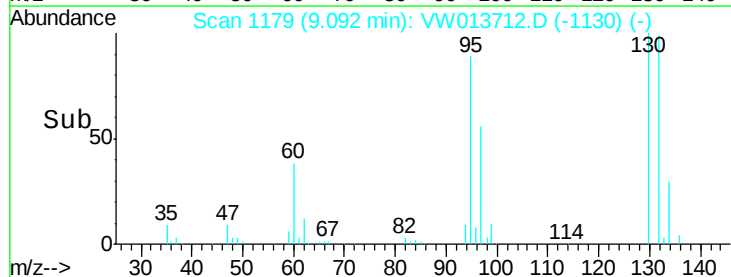
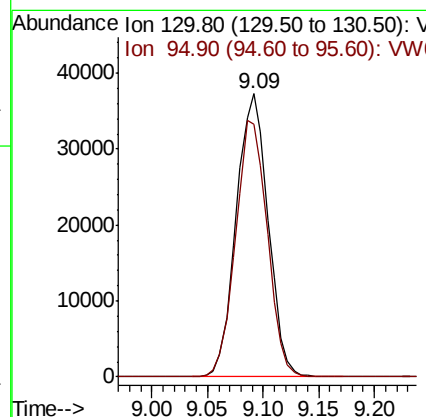
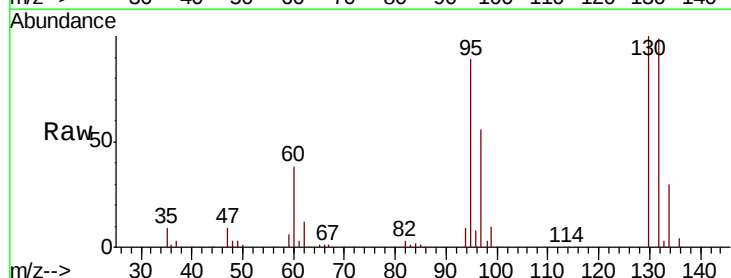
RT: 9.09 min Scan# 1179

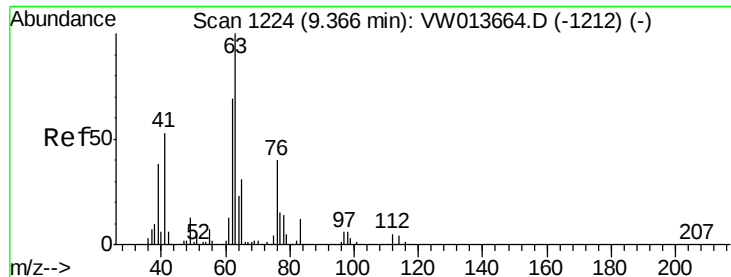
Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Tgt Ion:	130	Resp:	73999
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	184.6





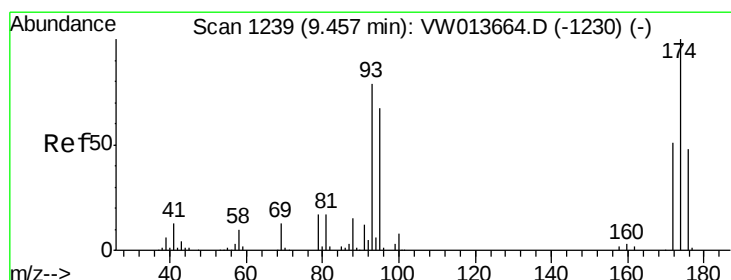
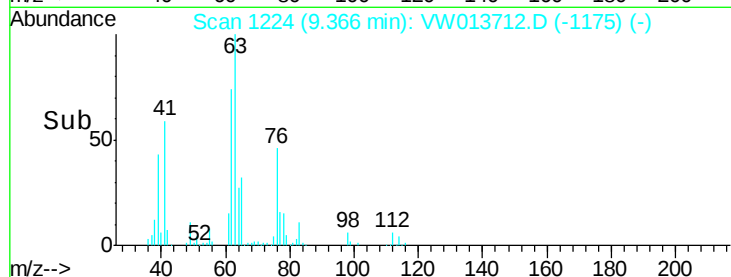
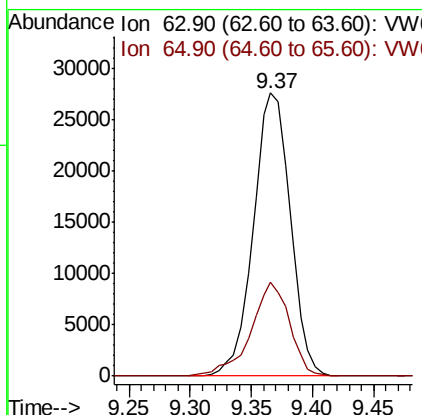
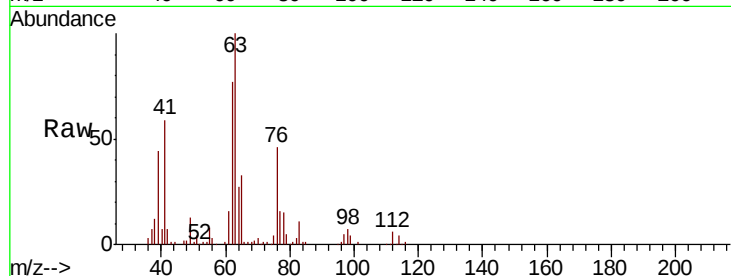
#45
 1,2-Dichloropropane
 Concen: 20.039 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion: 63 Resp: 58192
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.2 37.8

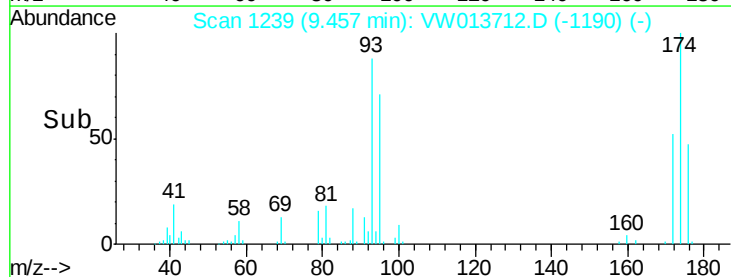
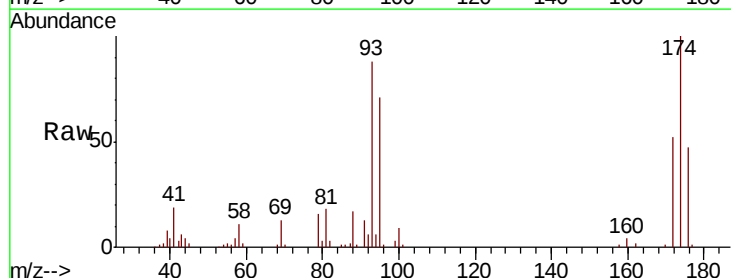
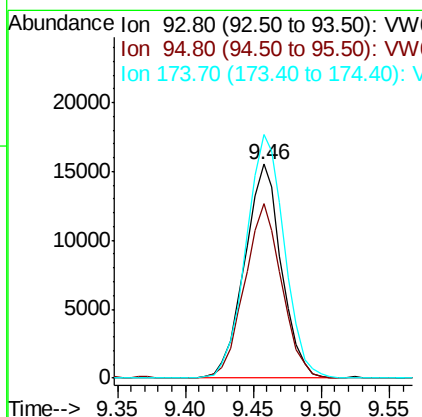
Manual Integrations
 APPROVED

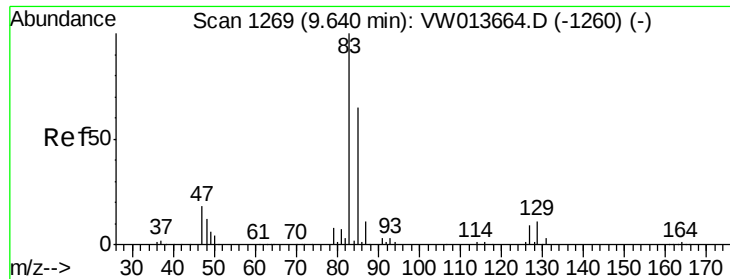
MMDadoda
 10/25/2019 4:47:22 PM



#46
 Dibromomethane
 Concen: 20.851 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion: 93 Resp: 29388
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.5 99.7
 174 118.3 99.6 149.4





#47

Bromodichloromethane

Concen: 20.107 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

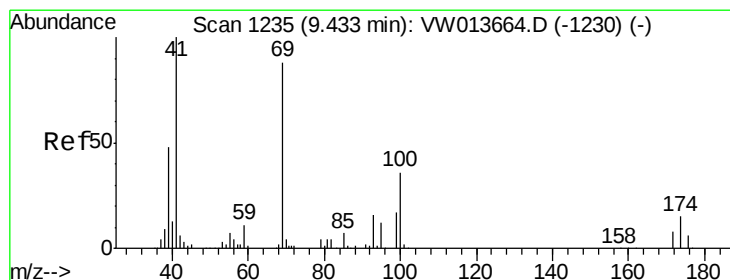
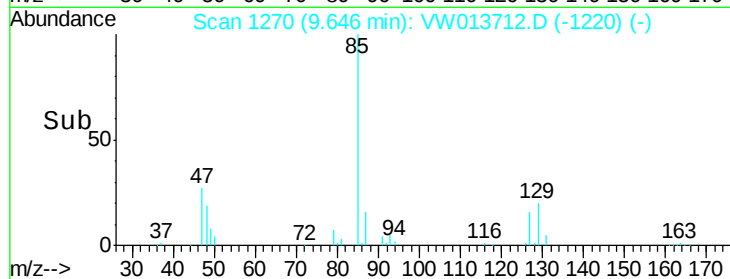
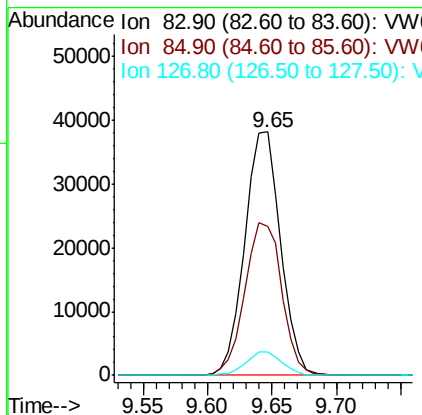
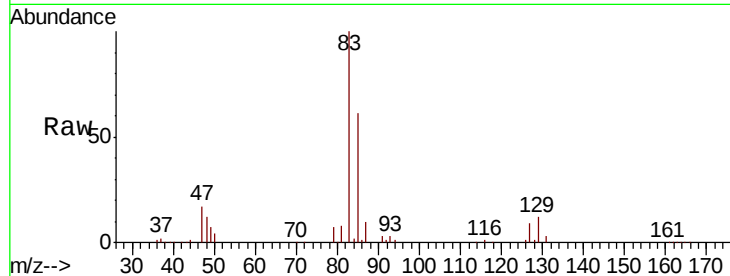
ClientSampleId :

VW1024SBS01

Tot Ion:	83	Resp:	73327
Ion Ratio	Lower	Upper	
83	100		
85	61.3	51.8	77.6
127	9.5	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:47:22 PM



#48

Methyl methacrylate

Concen: 19.182 ug/l

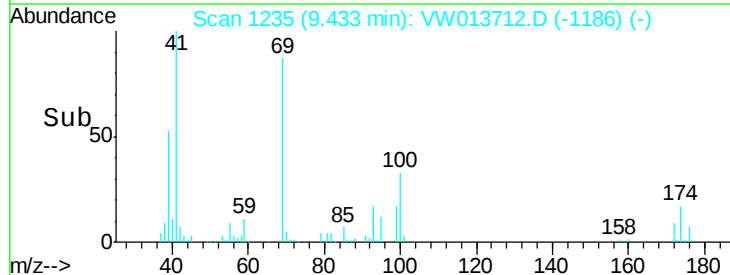
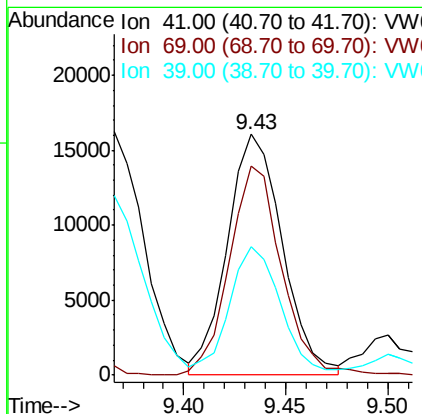
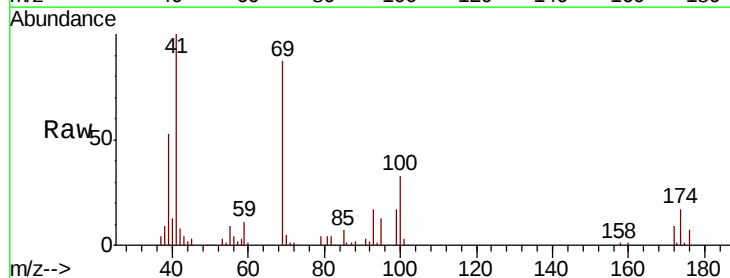
RT: 9.43 min Scan# 1235

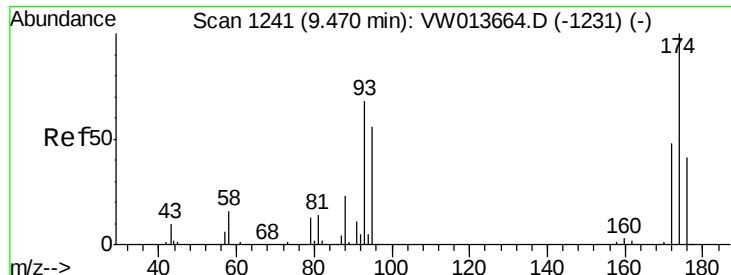
Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Tgt Ion:	41	Resp:	29943
Ion Ratio	Lower	Upper	
41	100		
69	83.6	67.6	101.4
39	45.6	38.6	58.0





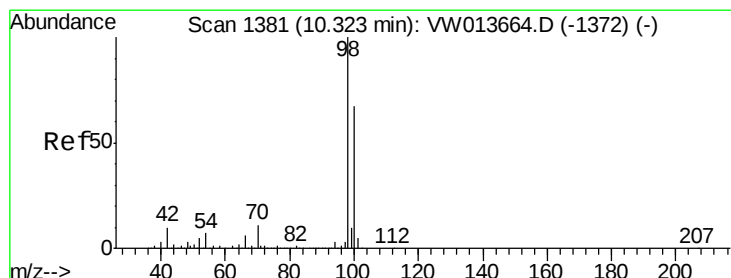
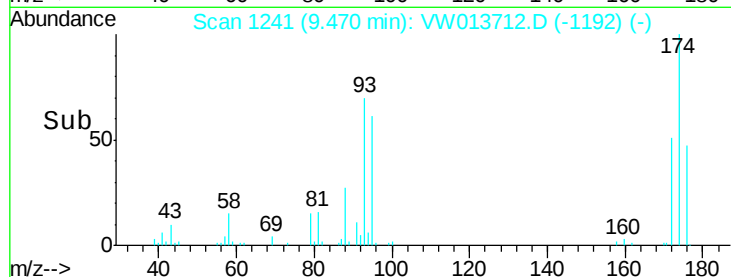
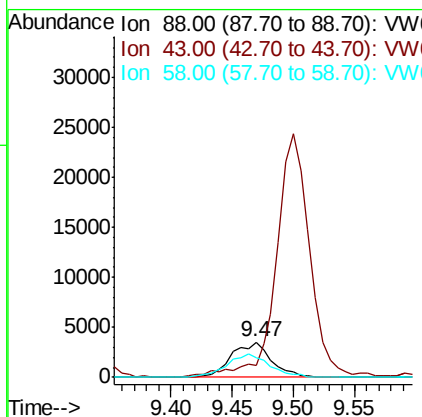
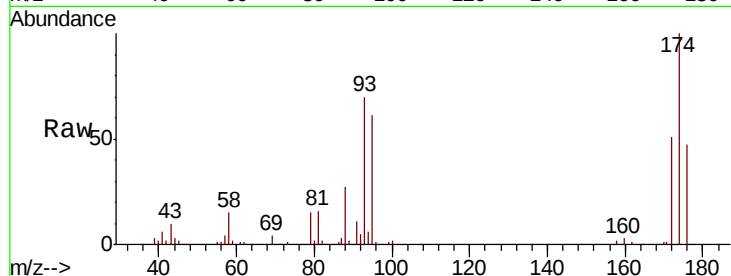
#49
1,4-Dioxane
Concen: 379.268 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.2	58.9	88.3

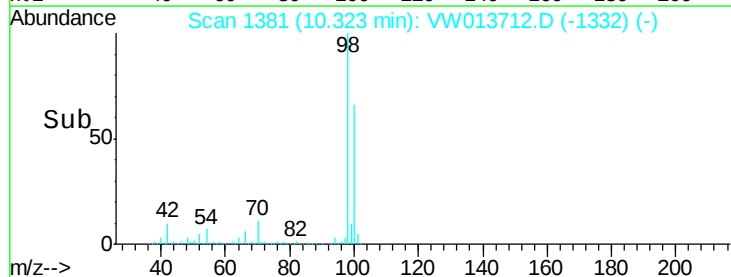
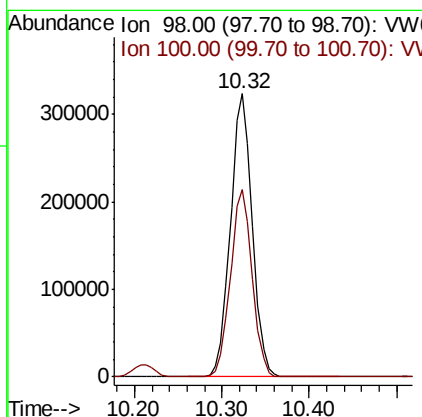
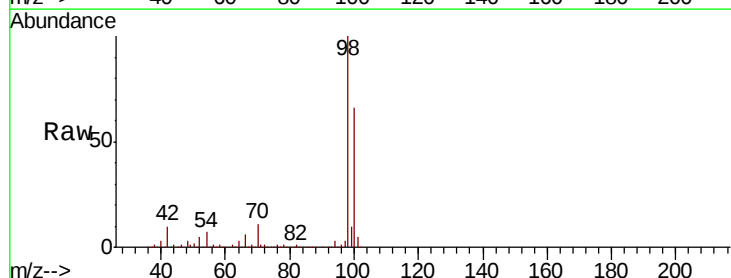
Manual Integrations
APPROVED

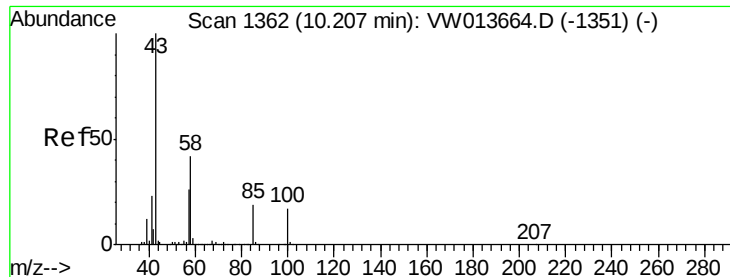
MMDadoda
10/25/2019 4:47:22 PM



#50
Toluene-d8
Concen: 53.644 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 93.114 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion: 43 Resp: 145645

Ion Ratio Lower Upper

43 100

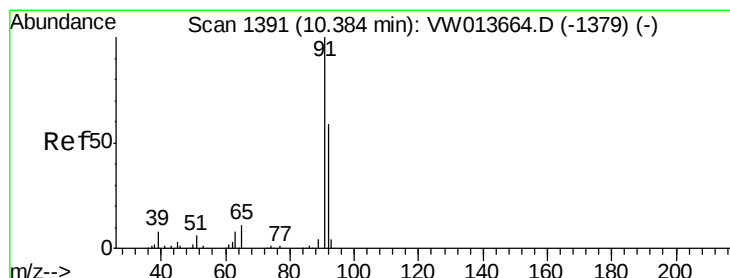
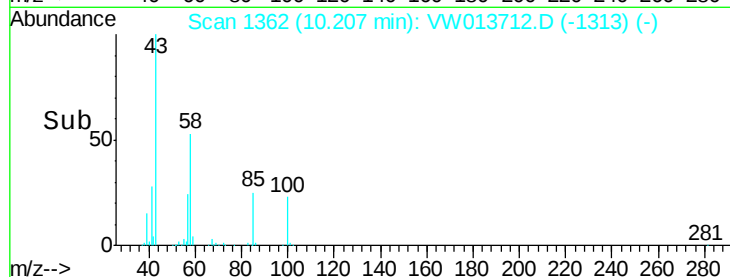
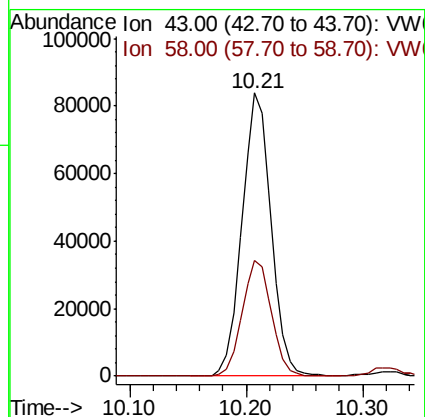
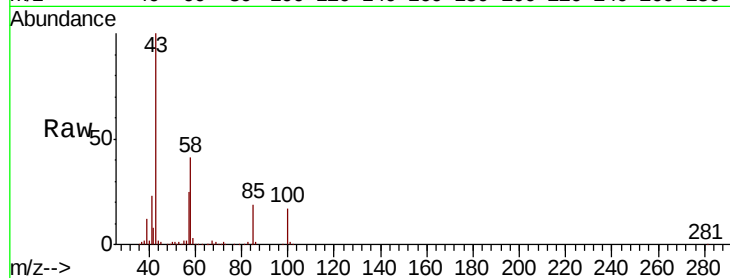
58 41.3 32.6 49.0

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:47:22 PM



#52

Toluene

Concen: 20.877 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013712.D

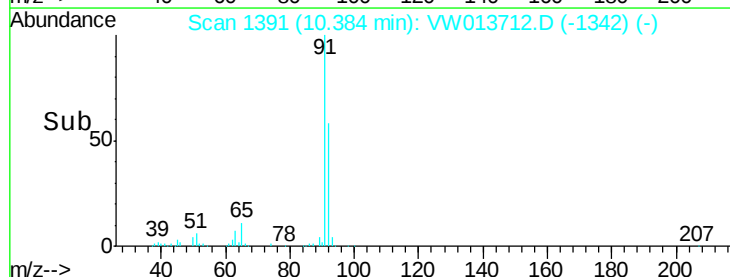
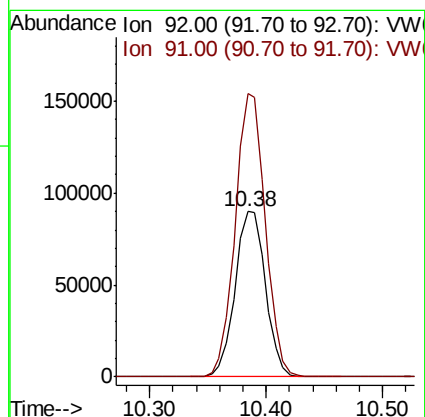
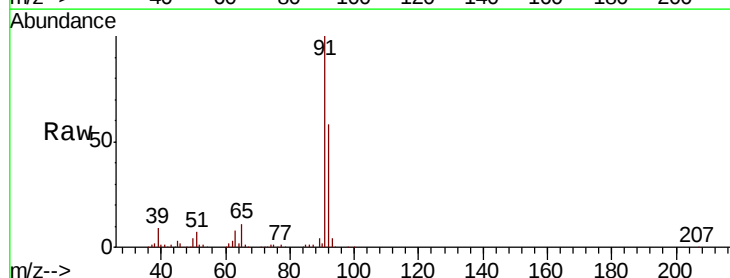
Acq: 24 Oct 2019 15:51

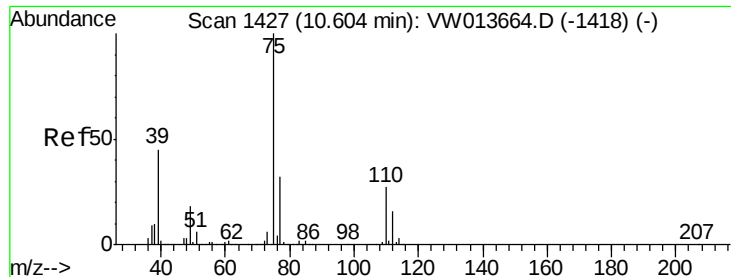
Tgt Ion: 92 Resp: 163716

Ion Ratio Lower Upper

92 100

91 169.5 134.5 201.7





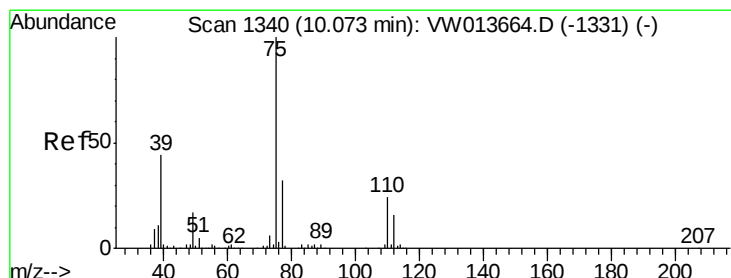
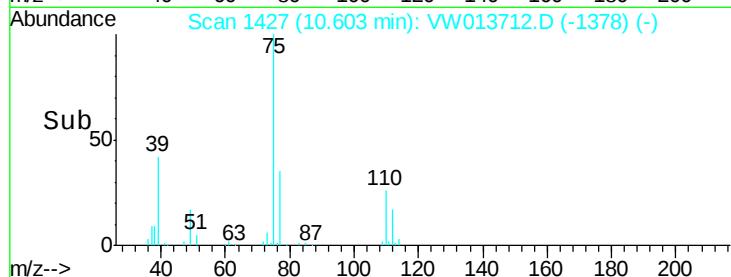
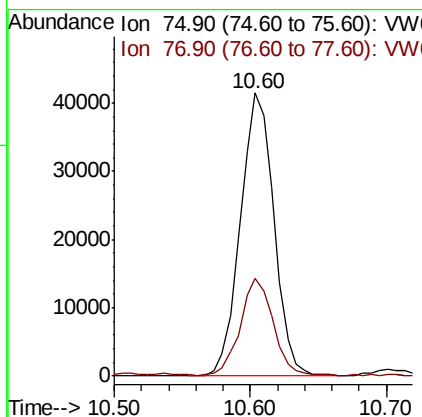
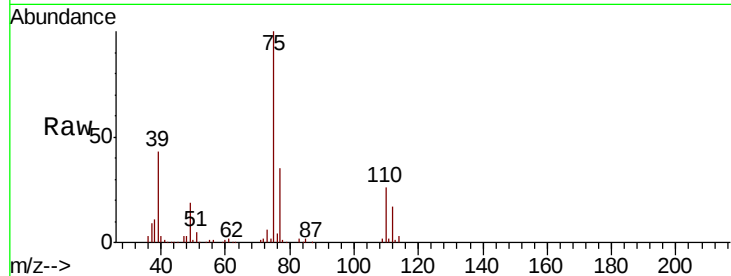
#53
 t-1,3-Dichloropropene
 Concen: 19.402 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion: 75 Resp: 71626
 Ion Ratio Lower Upper
 75 100
 77 34.8 25.5 38.3

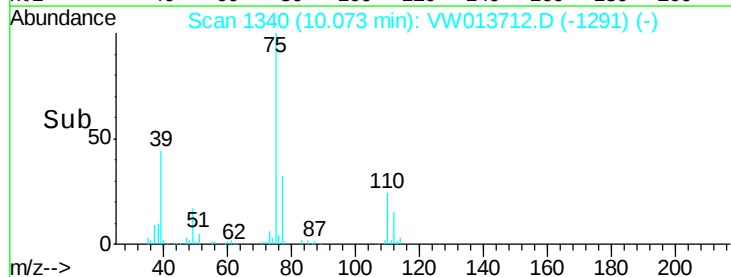
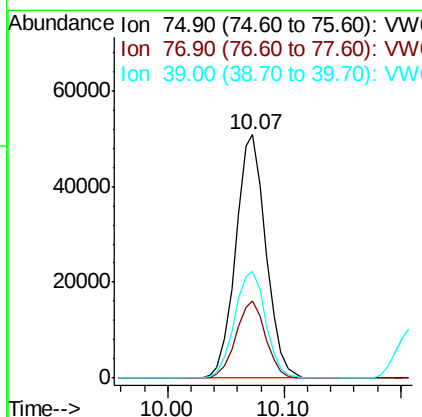
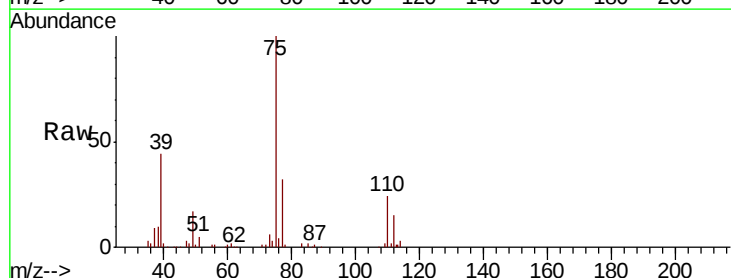
Manual Integrations
 APPROVED

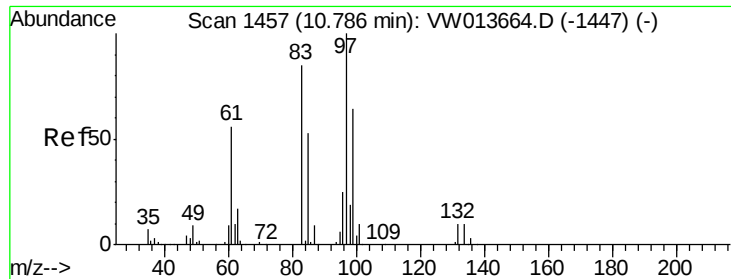
MMDadoda
 10/25/2019 4:47:22 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.090 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion: 75 Resp: 91507
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6
 39 43.9 35.3 52.9





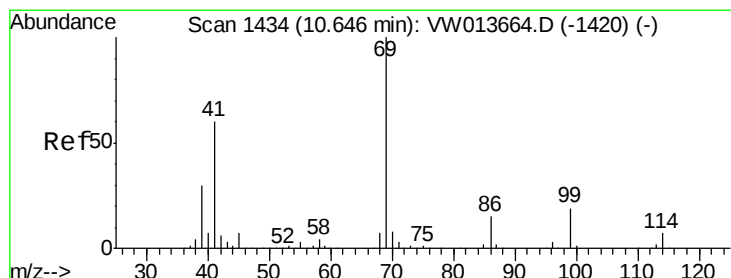
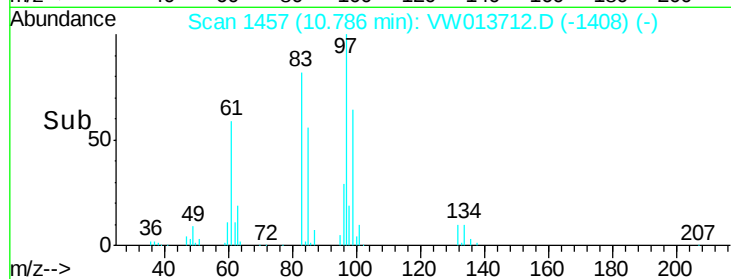
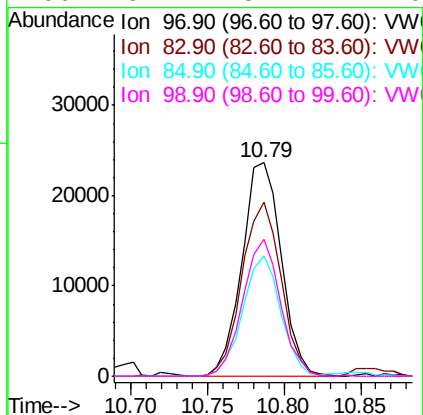
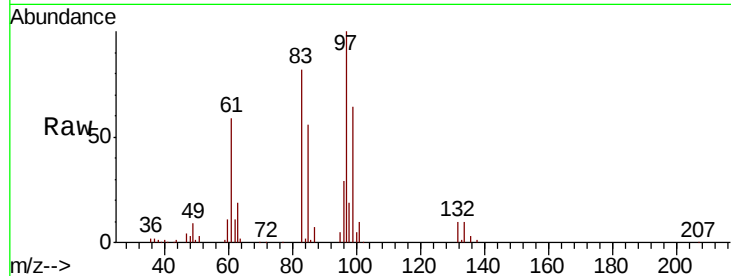
#55
 1,1,2-Trichloroethane
 Concen: 20.186 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion:	97	Resp:	42401
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.8	101.8
85	56.1	42.1	63.1
99	64.2	51.4	77.0

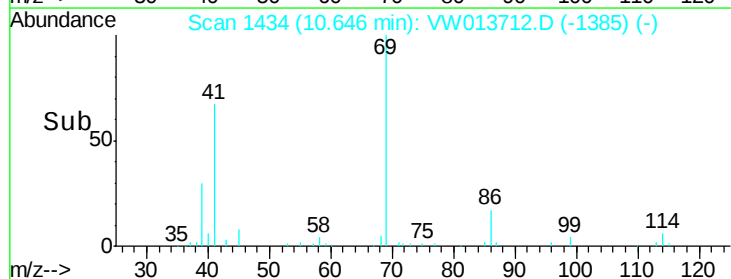
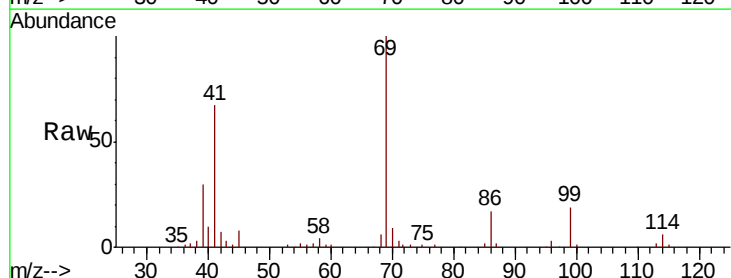
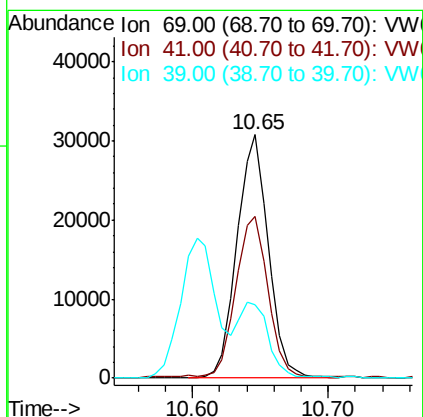
Manual Integrations
 APPROVED

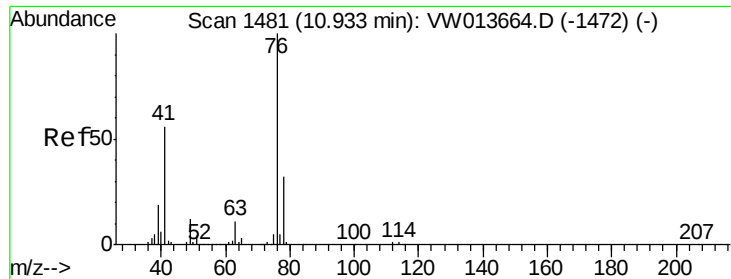
MMDadoda
 10/25/2019 4:47:22 PM



#56
 Ethyl methacrylate
 Concen: 18.877 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion:	69	Resp:	49609
Ion	Ratio	Lower	Upper
69	100		
41	69.8	51.6	77.4
39	30.5	22.4	33.6





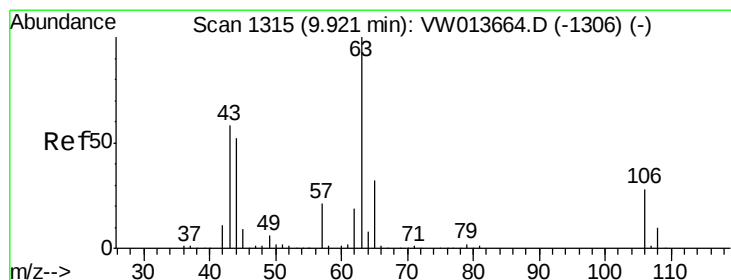
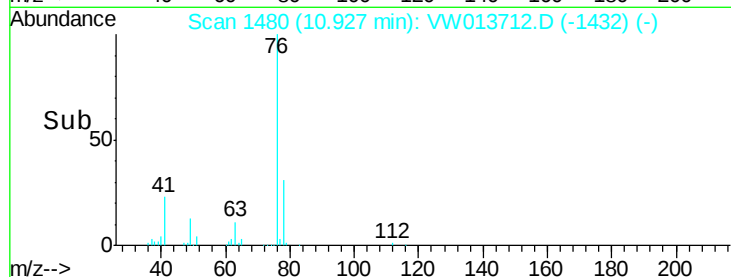
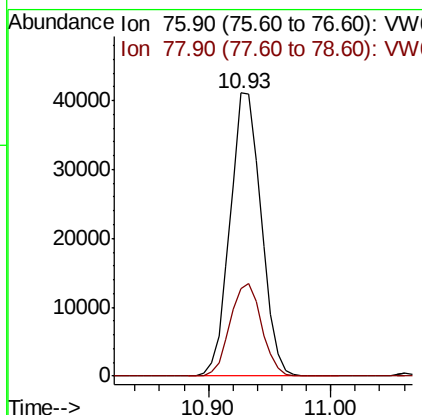
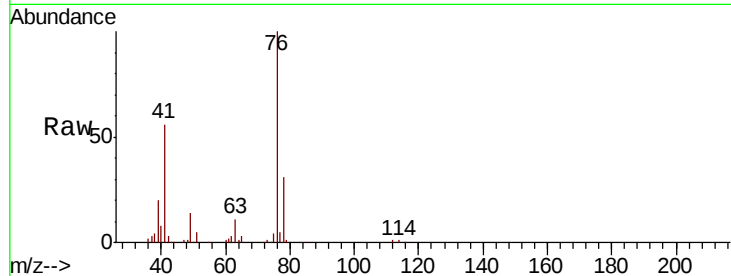
#57
 1,3-Dichloropropane
 Concen: 20.058 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.0	39.0

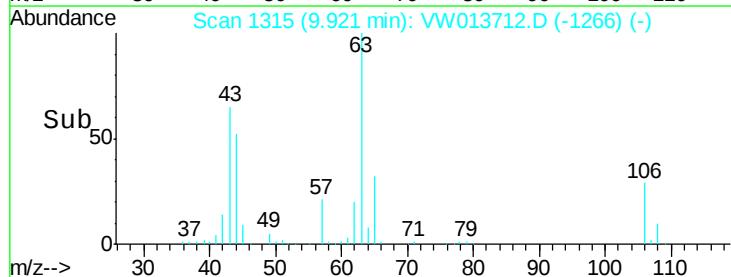
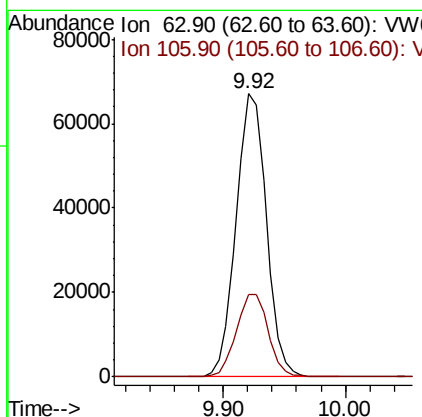
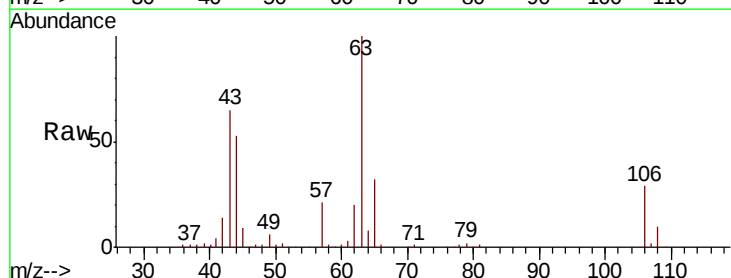
Manual Integrations
 APPROVED

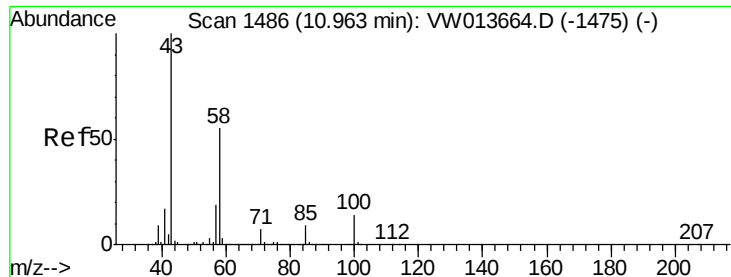
MMDadoda
 10/25/2019 4:47:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.239 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	23.8	35.8





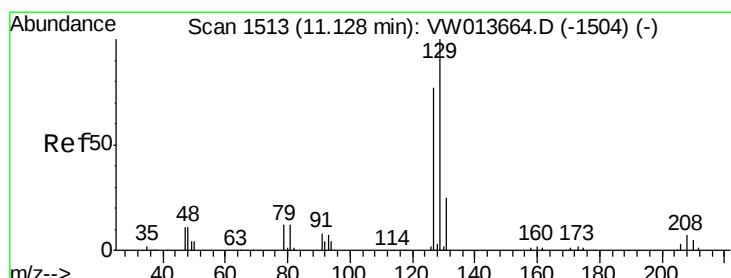
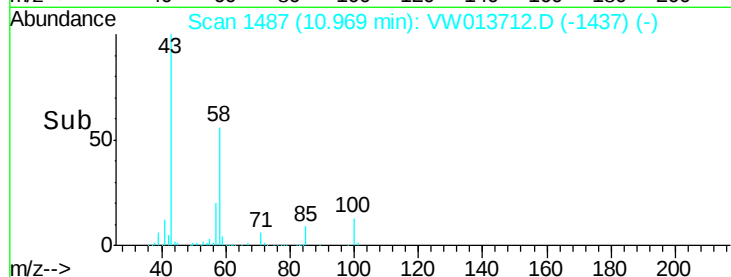
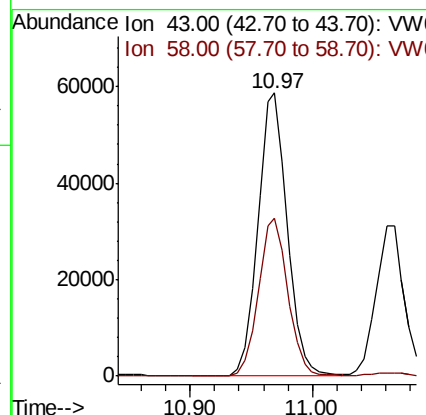
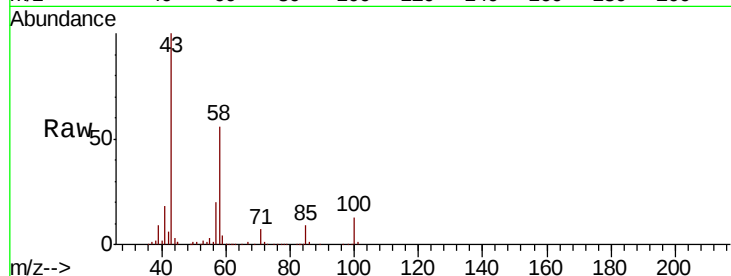
#59
2-Hexanone
Concen: 90.852 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	43	Resp	97968
Ion Ratio	43	100	
Lower	58	55.9	27.9
Upper			83.7

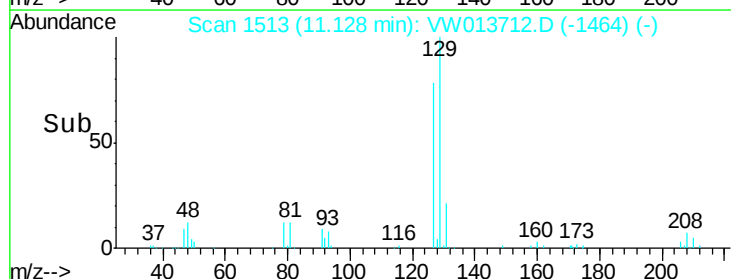
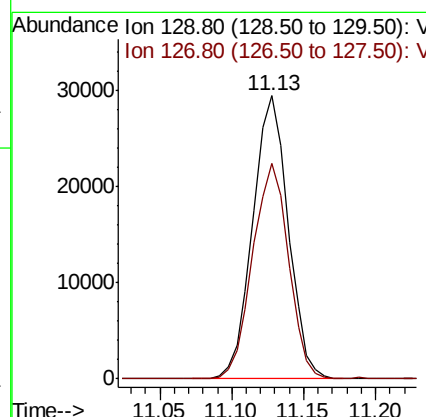
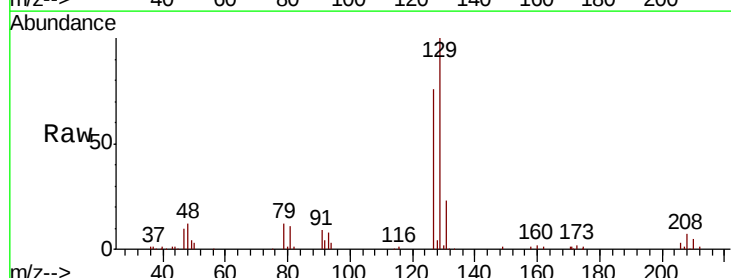
Manual Integrations
APPROVED

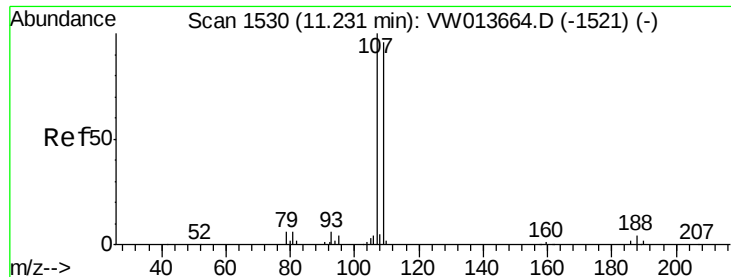
MMDadoda
10/25/2019 4:47:22 PM



#60
Dibromochloromethane
Concen: 20.025 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	129	Resp	49941
Ion Ratio	129	100	
Lower	127	77.3	38.9
Upper			116.7





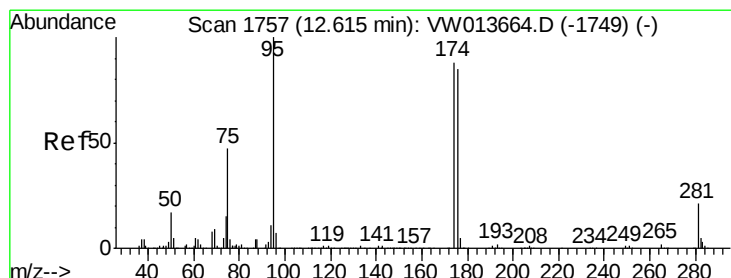
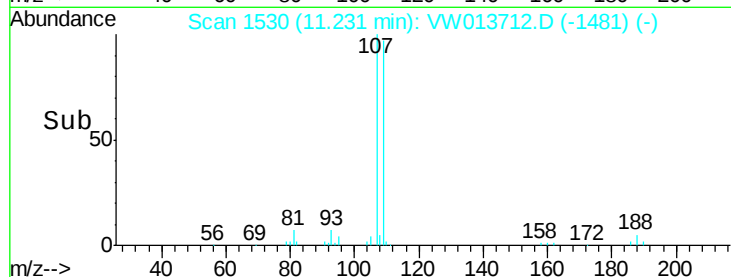
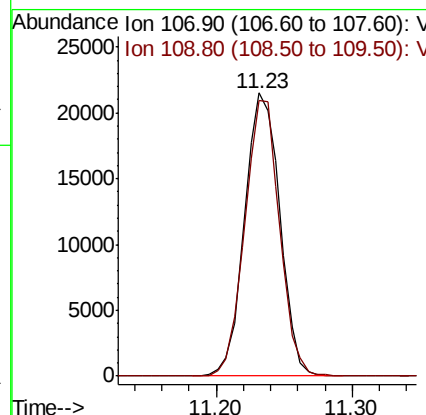
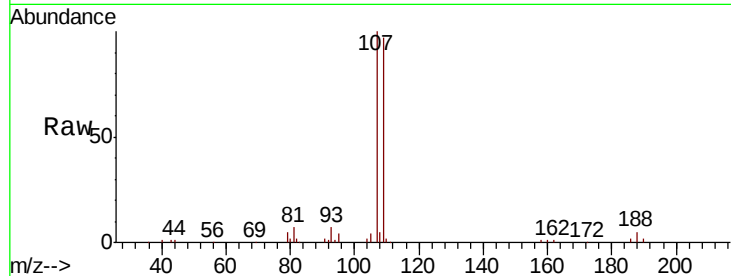
#61
 1,2-Dibromoethane
 Concen: 19.637 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.7	113.5

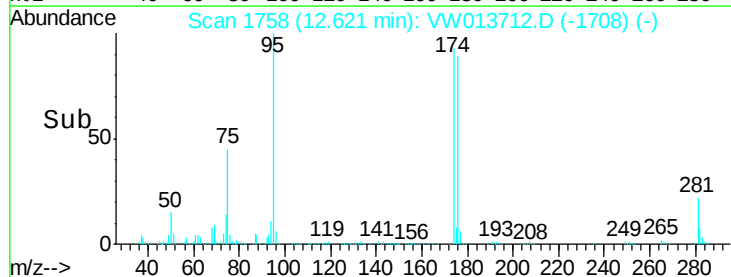
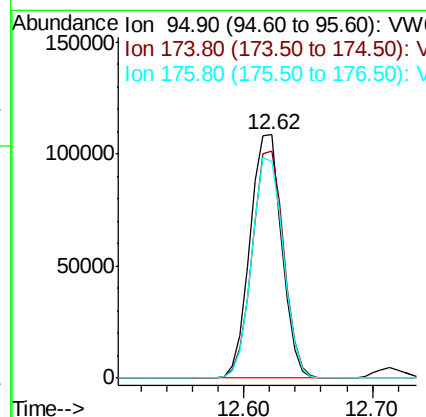
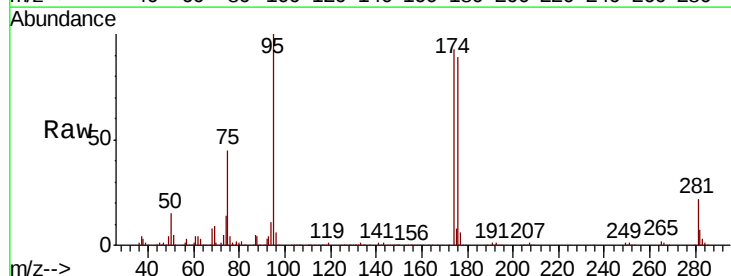
Manual Integrations
 APPROVED

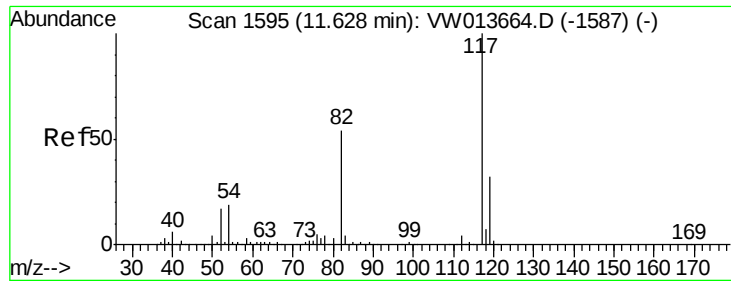
MMDadoda
 10/25/2019 4:47:22 PM



#62
 4-Bromofluorobenzene
 Concen: 52.041 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	183.6
176	89.8	0.0	178.0





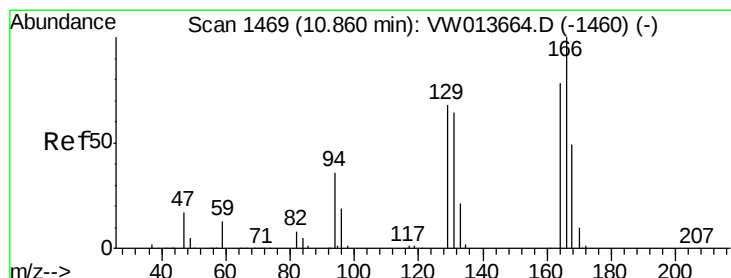
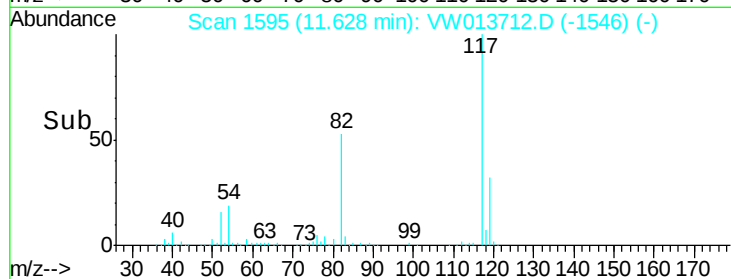
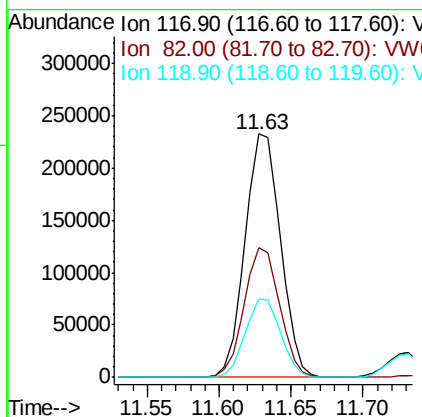
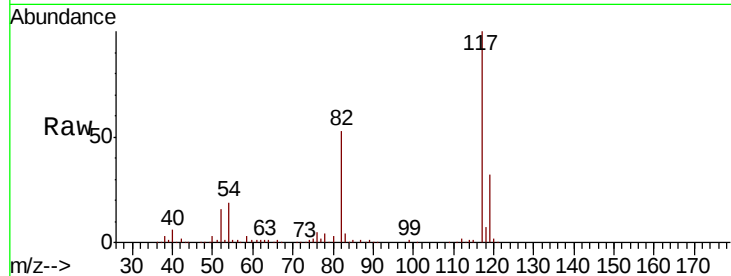
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	397184		
82	53.2	43.6	65.4	
119	32.0	25.4	38.2	

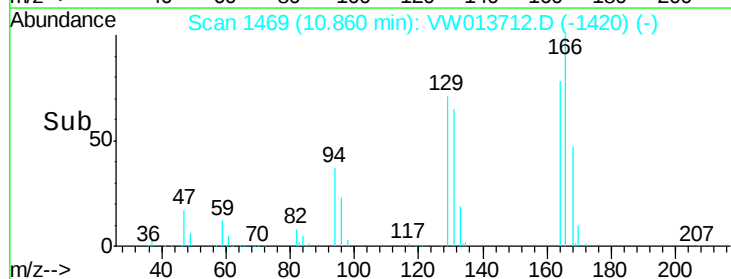
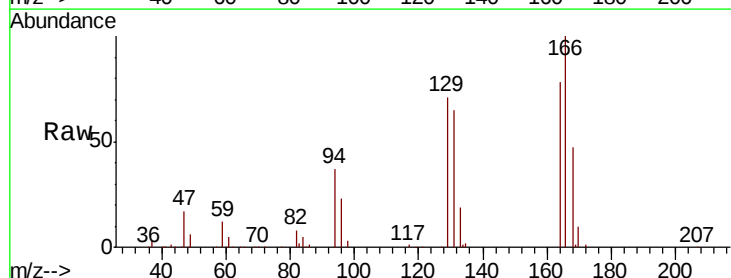
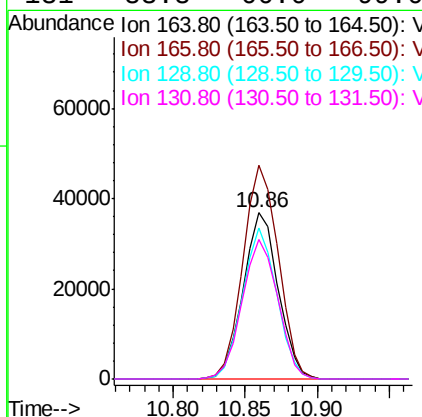
Manual Integrations
APPROVED

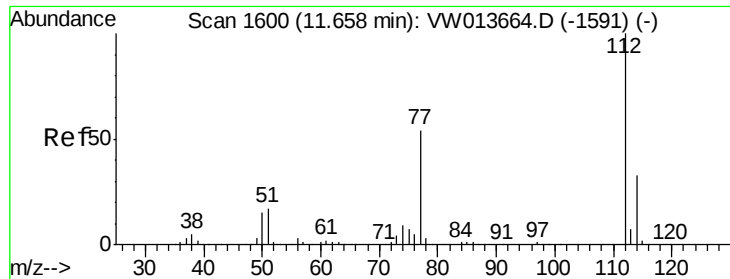
MMDadoda
10/25/2019 4:47:22 PM



#64
Tetrachloroethene
Concen: 20.441 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62031		
166	128.6	103.2	154.8	
129	91.1	70.6	105.8	
131	83.8	66.0	99.0	





#65

Chlorobenzene

Concen: 20.449 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion:112 Resp: 166901

Ion Ratio Lower Upper

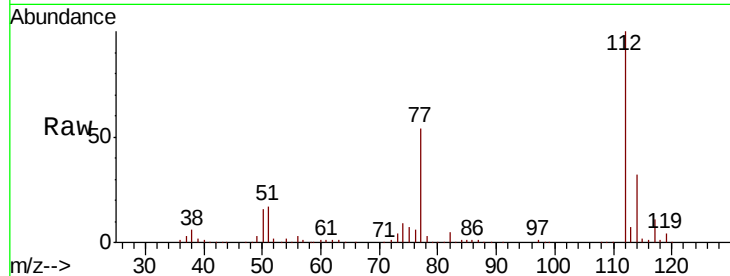
112 100

114 32.1 26.2 39.4

Manual Integrations
APPROVED

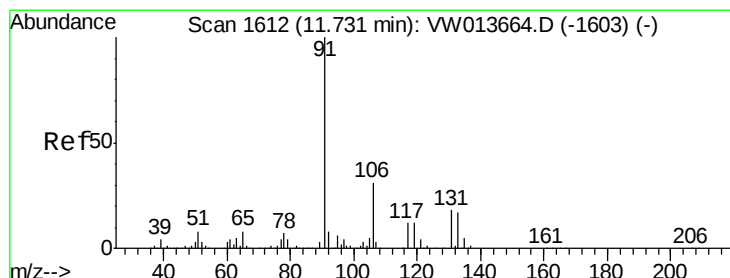
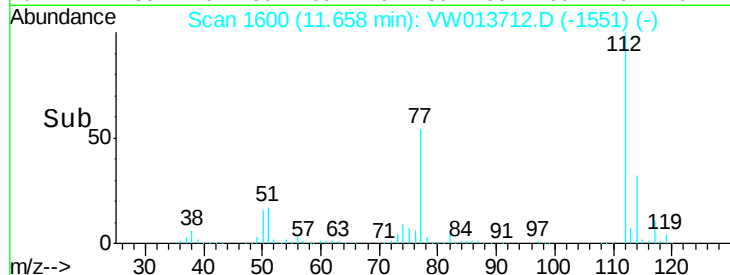
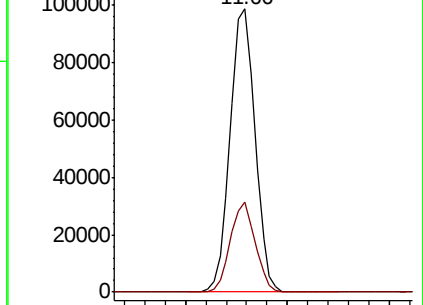
MMDadoda

10/25/2019 4:47:22 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.340 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

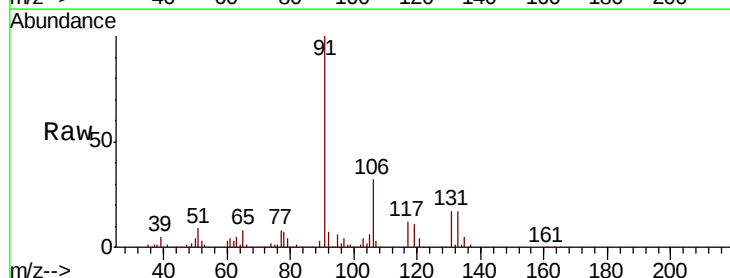
Tgt Ion:131 Resp: 57938

Ion Ratio Lower Upper

131 100

133 94.3 47.4 142.3

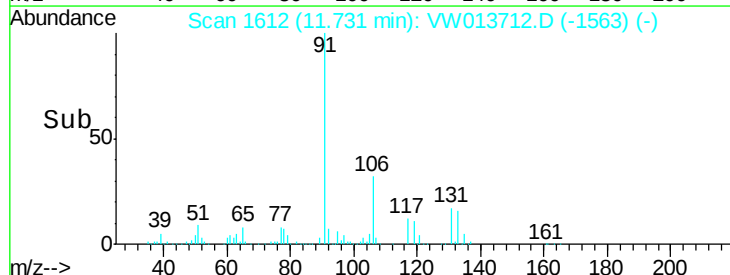
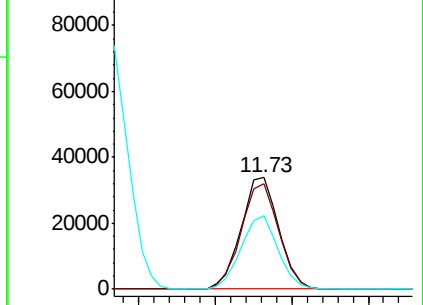
119 64.7 33.1 99.2

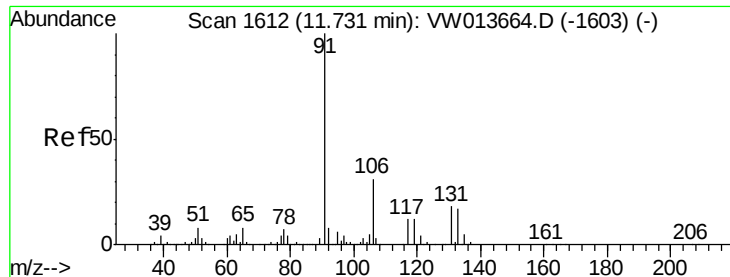


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





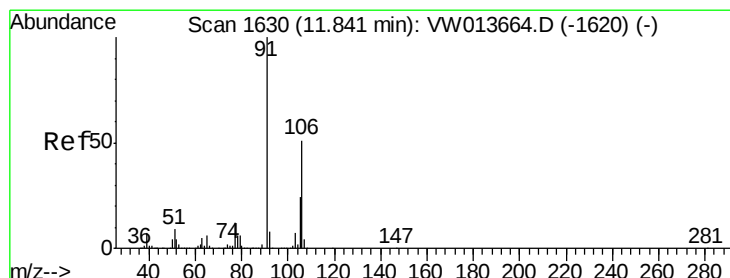
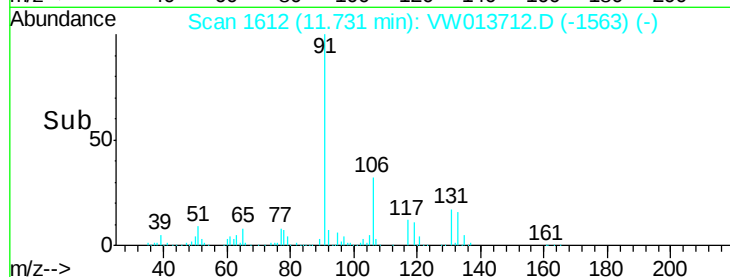
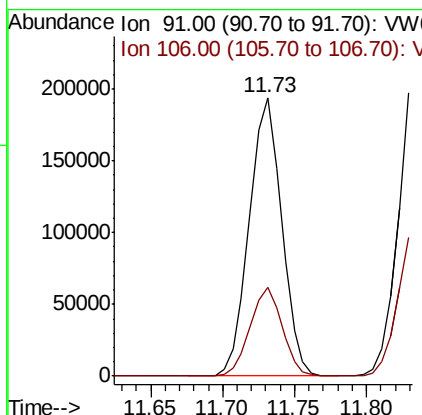
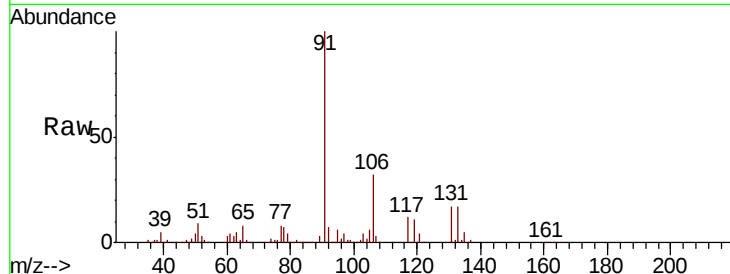
#67
Ethyl Benzene
Concen: 20.559 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion: 91 Resp: 302569
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6

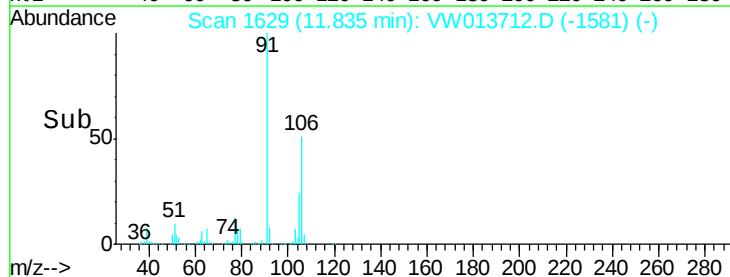
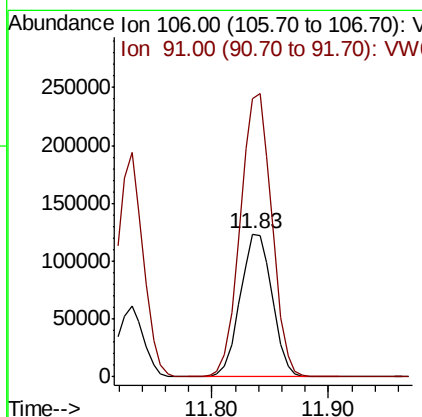
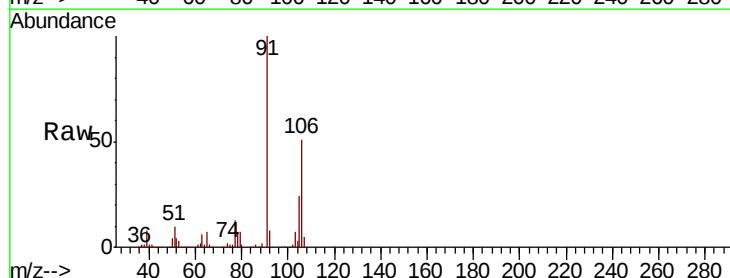
Manual Integrations
APPROVED

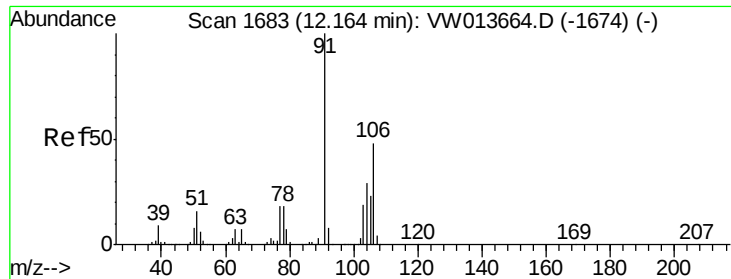
MMDadoda
10/25/2019 4:47:22 PM



#68
m/p-Xylenes
Concen: 41.613 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 106 Resp: 236612
Ion Ratio Lower Upper
106 100
91 195.2 159.2 238.8





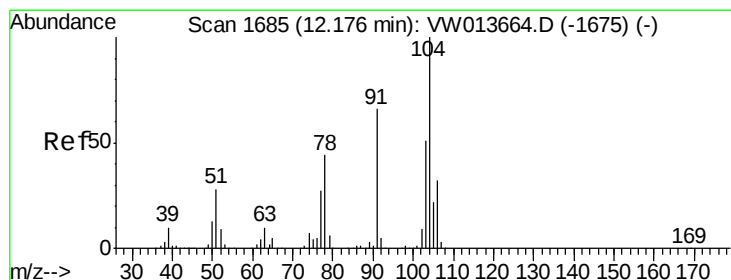
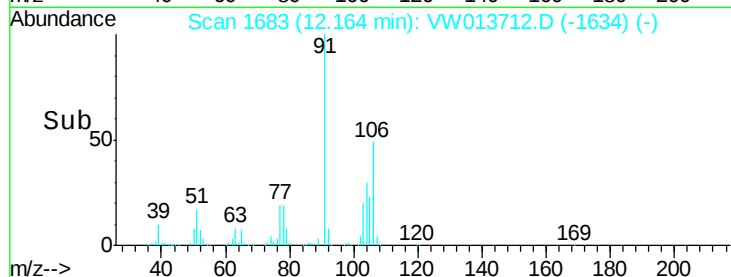
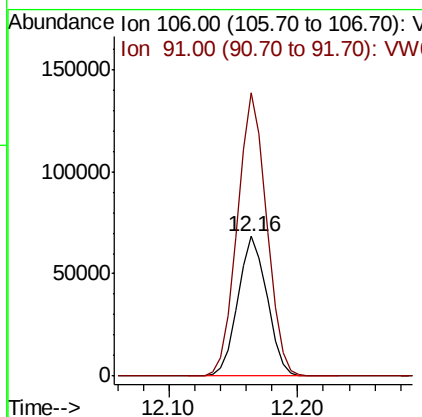
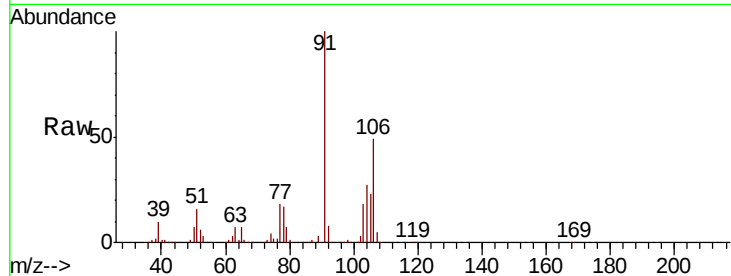
#69
o-Xylene
Concen: 20.531 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	203.2	104.9	314.7	

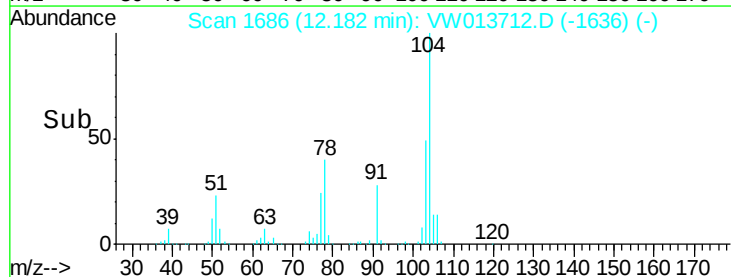
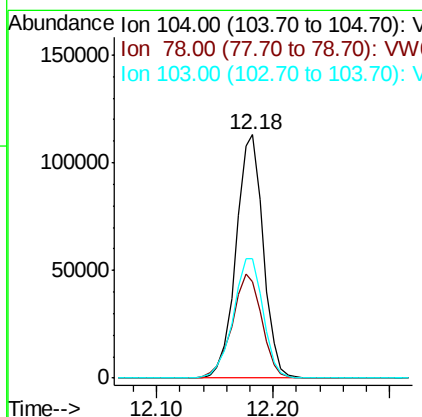
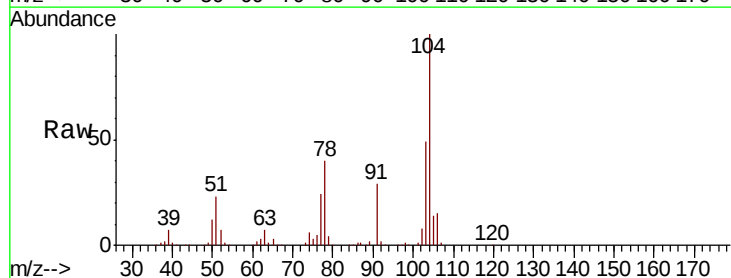
Manual Integrations
APPROVED

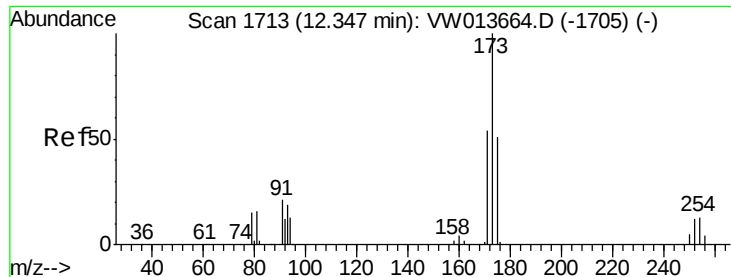
MMDadoda
10/25/2019 4:47:22 PM



#70
Styrene
Concen: 20.451 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	46.9	37.1	55.7	
103	54.1	43.6	65.4	





#71

Bromoform

Concen: 19.594 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion:173 Resp: 29289

Ion Ratio Lower Upper

173 100

175 49.4 25.2 75.6

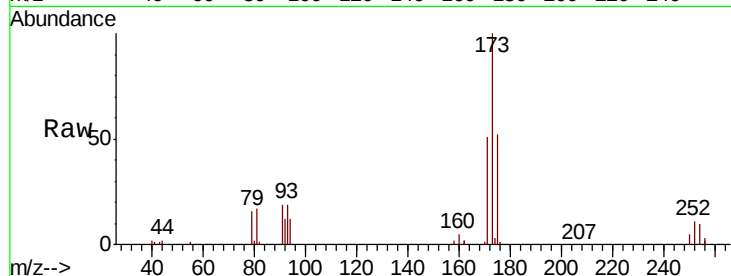
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

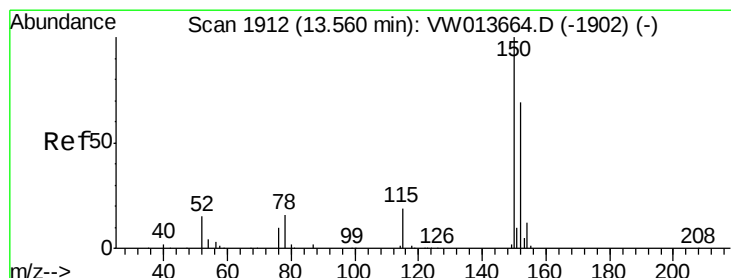
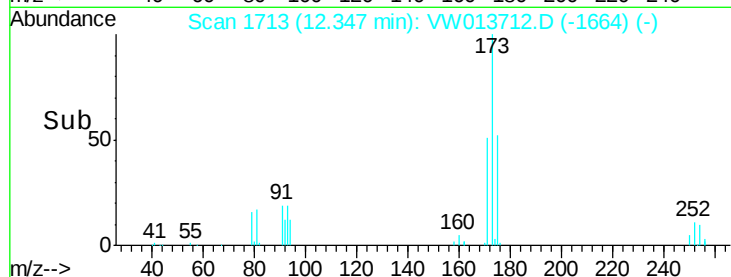
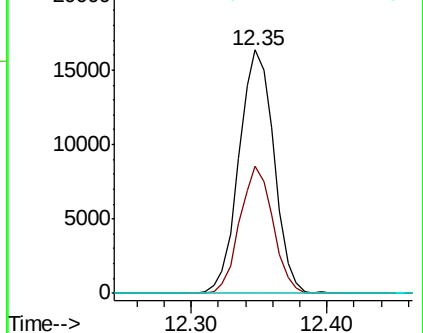
10/25/2019 4:47:22 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

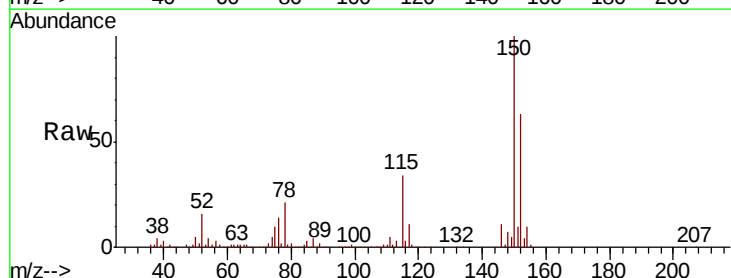
Tgt Ion:152 Resp: 204098

Ion Ratio Lower Upper

152 100

115 53.6 27.4 82.2

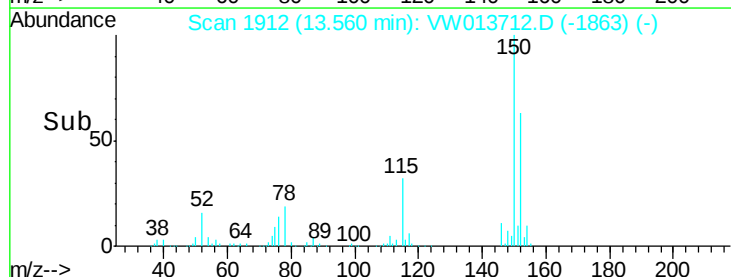
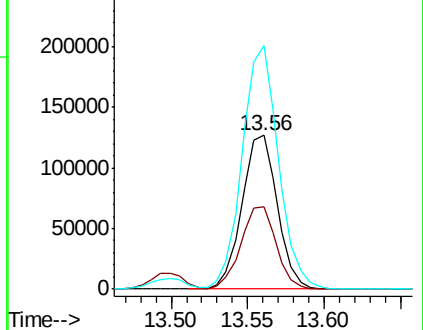
150 162.0 0.0 345.4

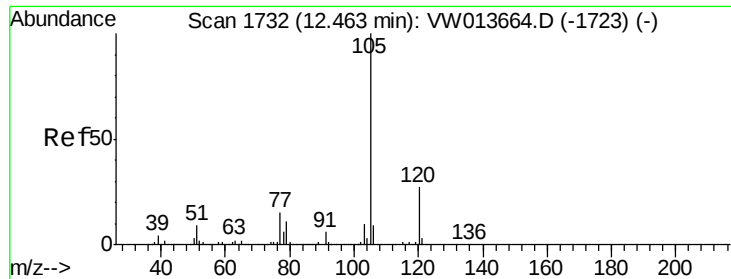


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





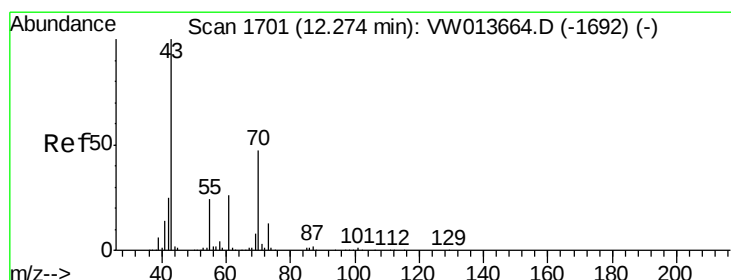
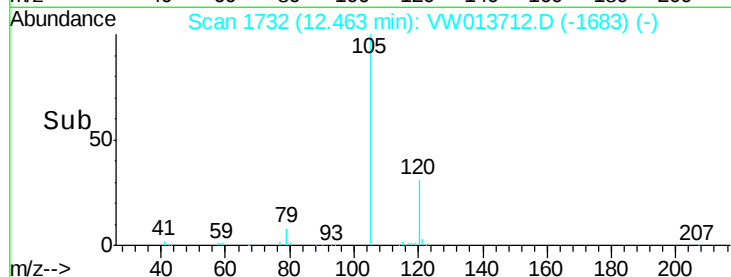
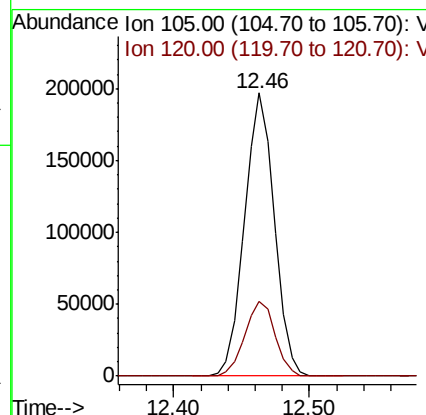
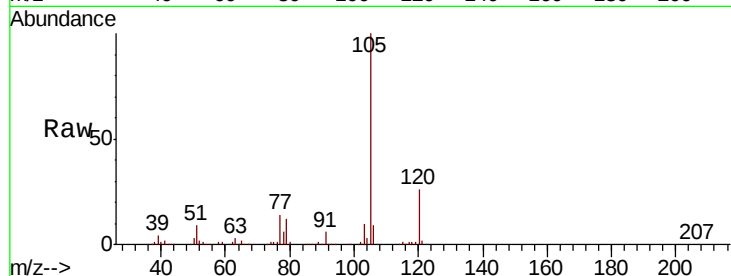
#73
Isopropylbenzene
Concen: 20.605 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	302008		
120	26.8		13.5	40.4

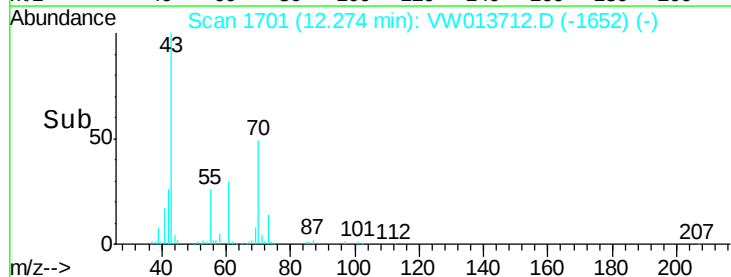
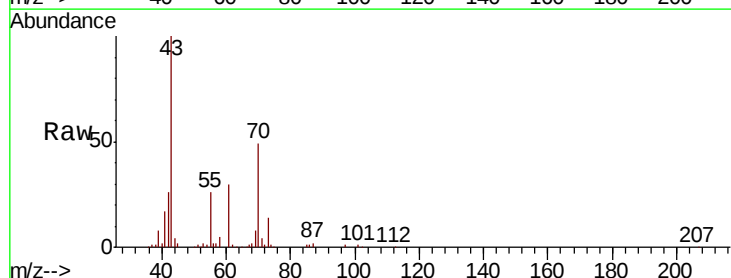
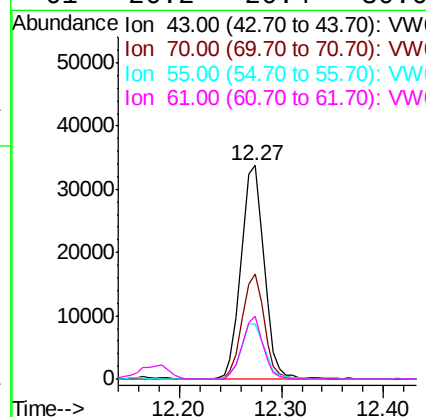
Manual Integrations
APPROVED

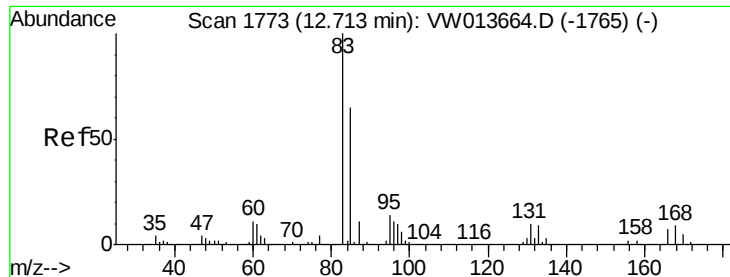
MMDadoda
10/25/2019 4:47:22 PM



#74
N-ethyl acetate
Concen: 18.662 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	52911		
70	47.0		36.6	55.0
55	26.5		20.3	30.5
61	26.2		20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.445 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

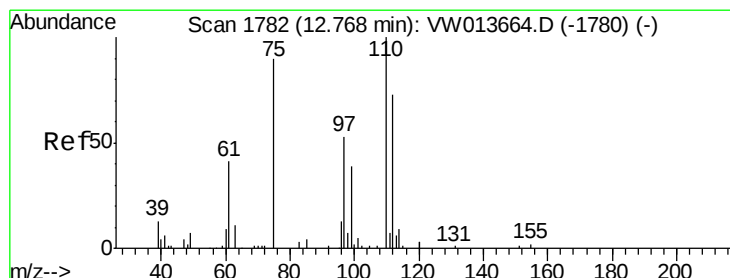
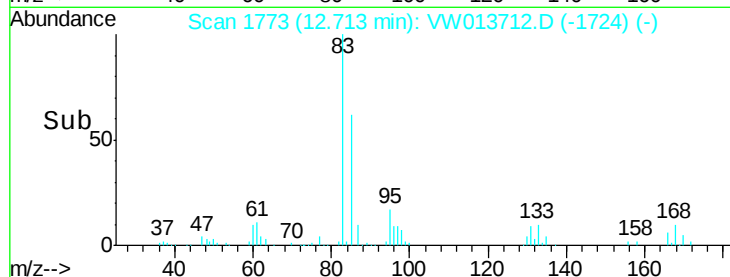
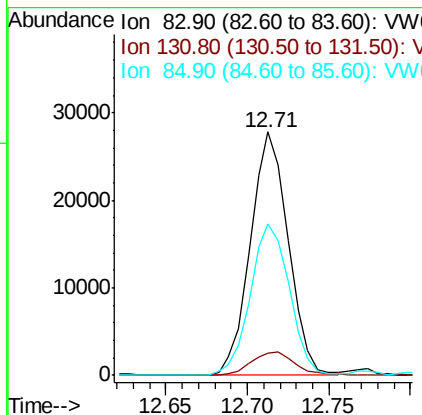
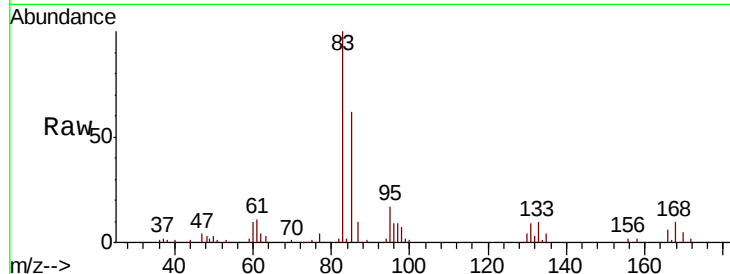
ClientSampleId :

VW1024SBS01

Tot Ion:	83	Resp:	44974
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.7	17.1
85	64.2	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:47:22 PM



#76

1,2,3-Trichloropropane

Concen: 19.886 ug/l m

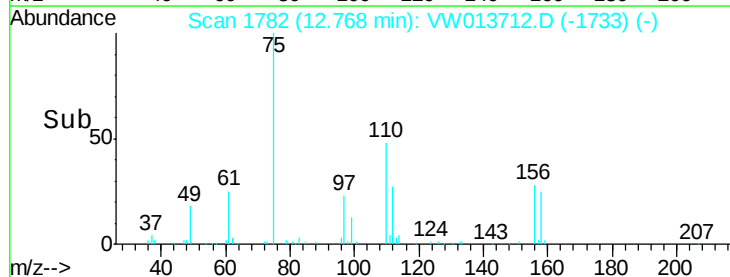
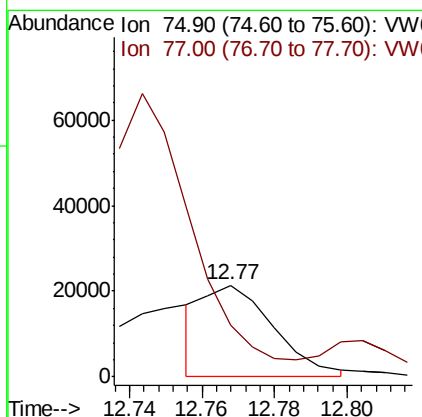
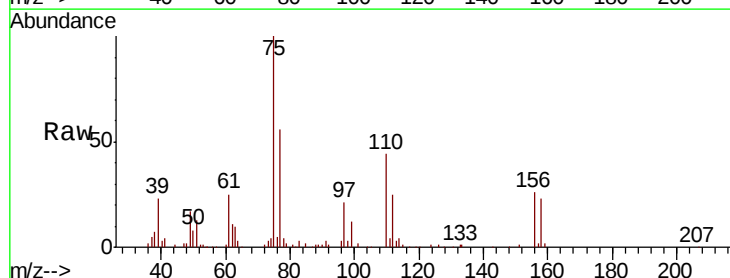
RT: 12.77 min Scan# 1782

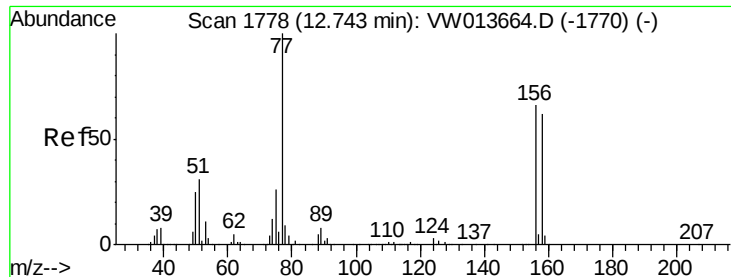
Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Tgt Ion:	75	Resp:	29147
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.209 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

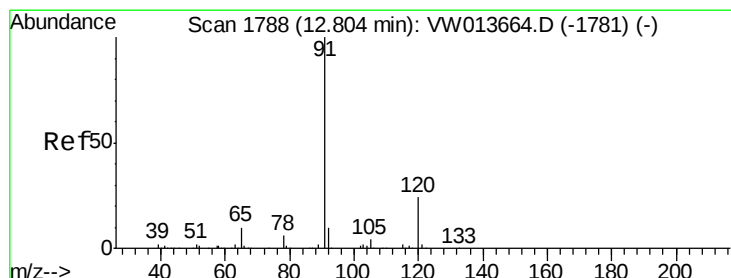
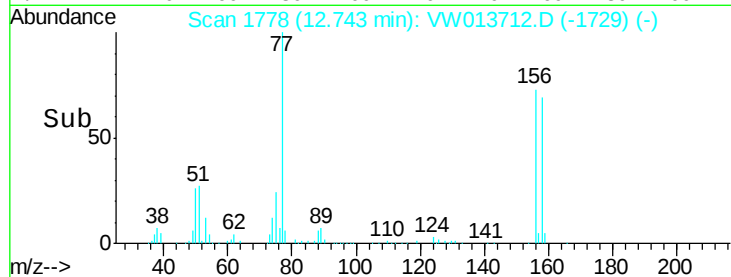
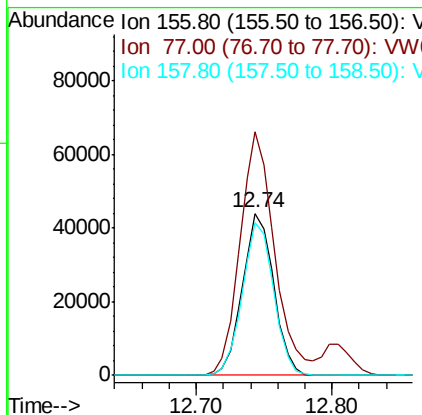
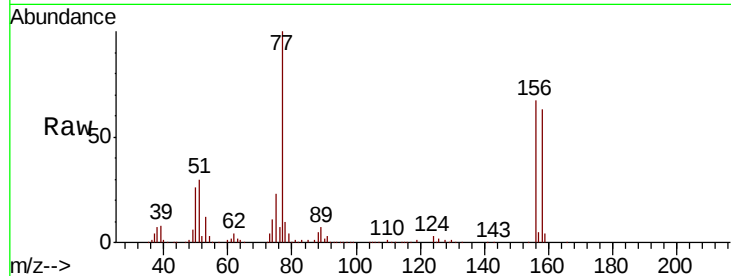
ClientSampleId :

VW1024SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.8	82.9	248.7
158	94.4	48.4	145.2

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:47:22 PM



#78

n-propylbenzene

Concen: 20.976 ug/l

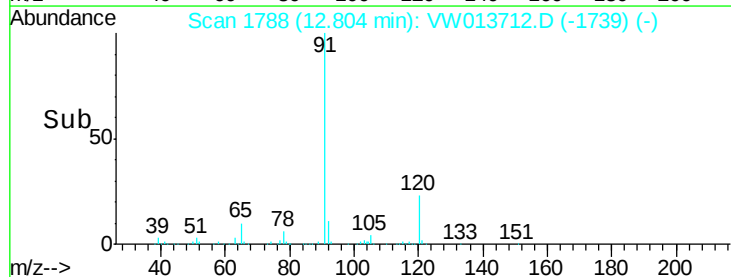
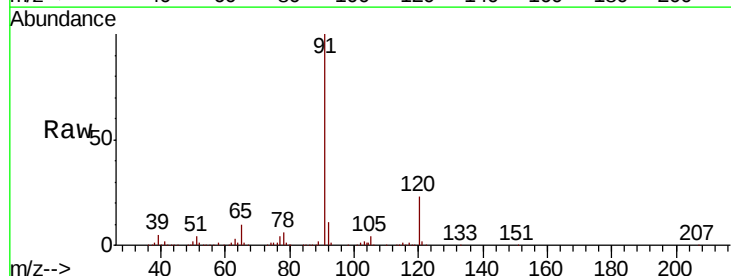
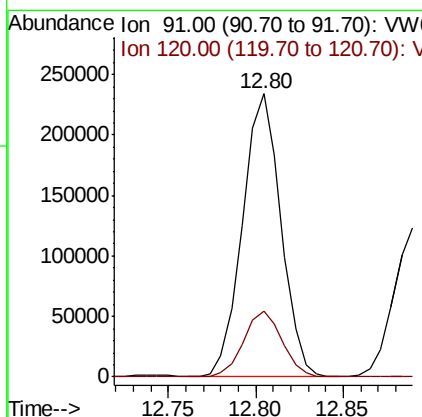
RT: 12.80 min Scan# 1788

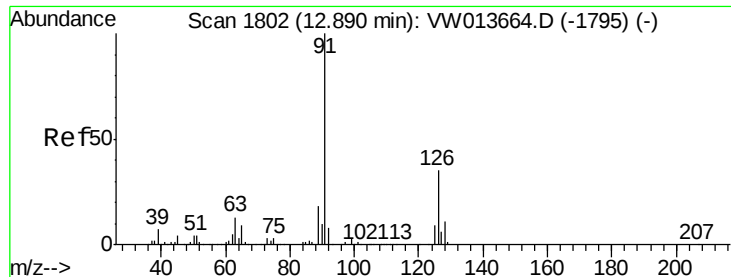
Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.671 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion: 91 Resp: 197071

Ion Ratio Lower Upper

91 100

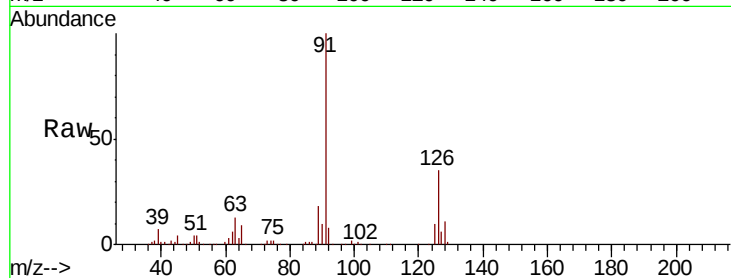
126 35.4 17.4 52.2

Manual Integrations

APPROVED

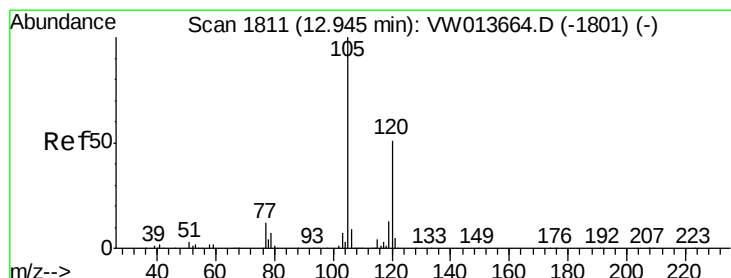
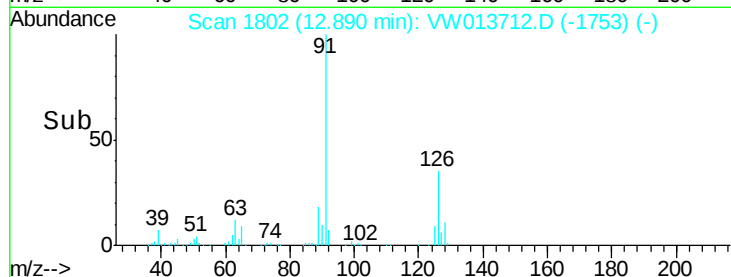
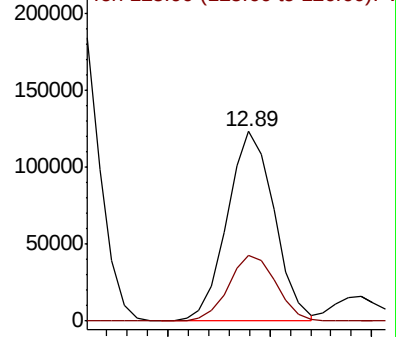
MMDadoda

10/25/2019 4:47:22 PM



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: 20.475 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013712.D

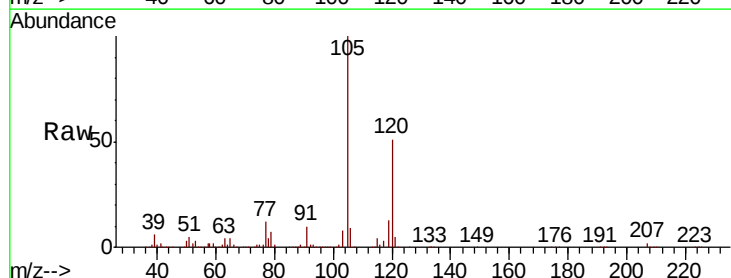
Acq: 24 Oct 2019 15:51

Tgt Ion:105 Resp: 253334

Ion Ratio Lower Upper

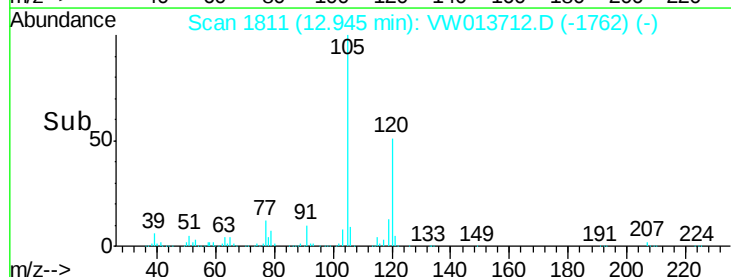
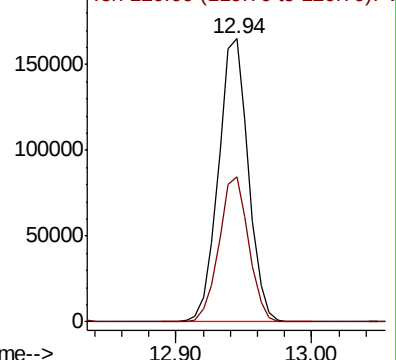
105 100

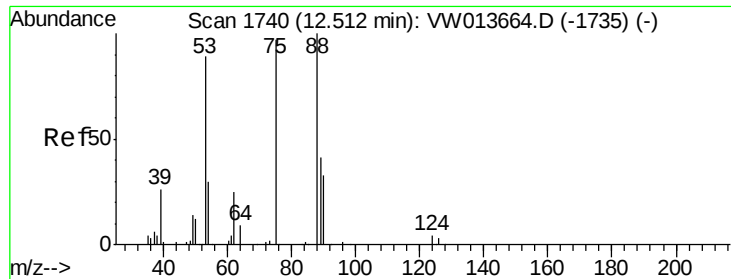
120 51.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





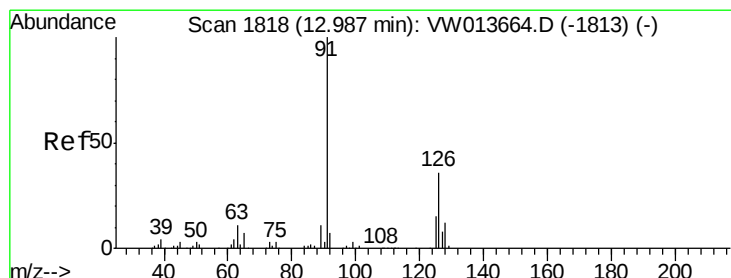
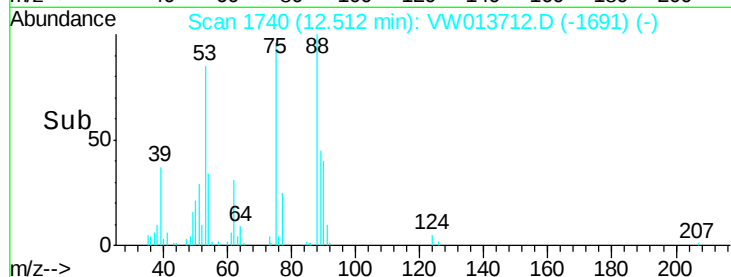
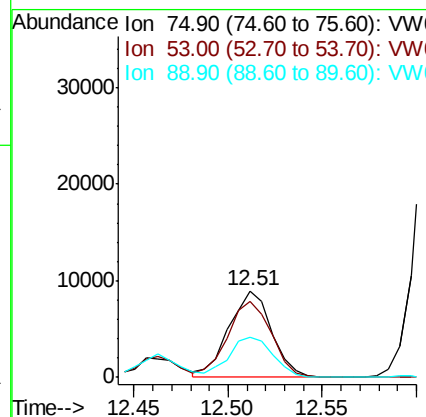
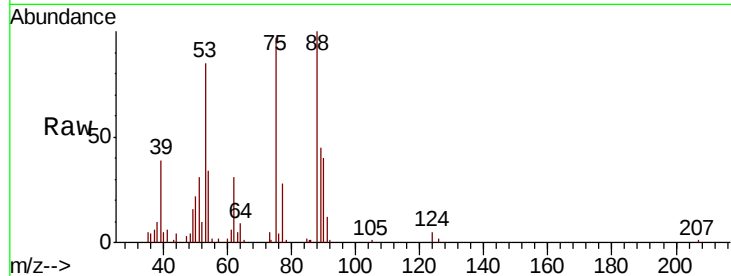
#81
trans-1,4-Dichloro-2-butene
Concen: 18.174 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	71.7	107.5
89	47.4	35.8	53.8

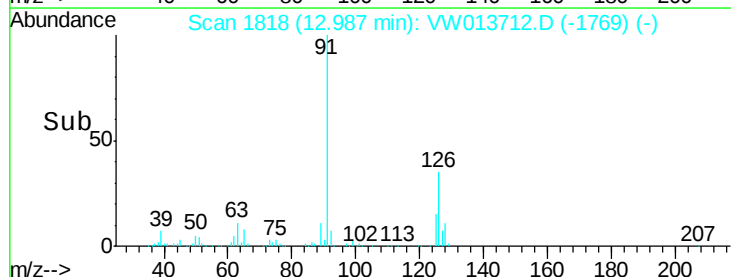
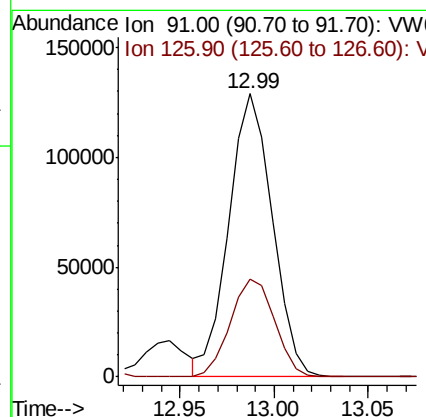
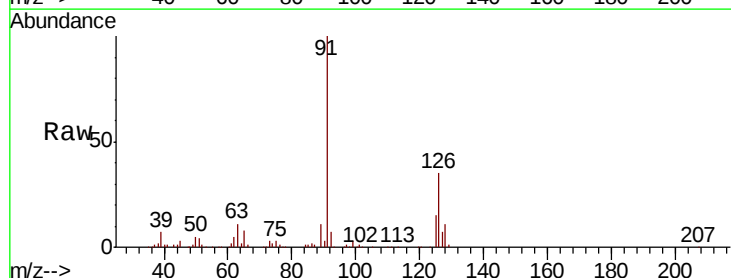
Manual Integrations
APPROVED

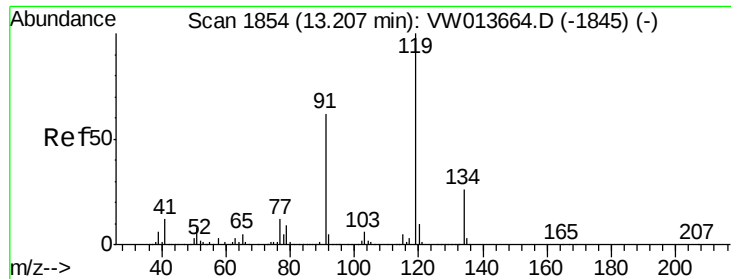
MMDadoda
10/25/2019 4:47:22 PM



#82
4-Chlorotoluene
Concen: 20.580 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.2	51.5





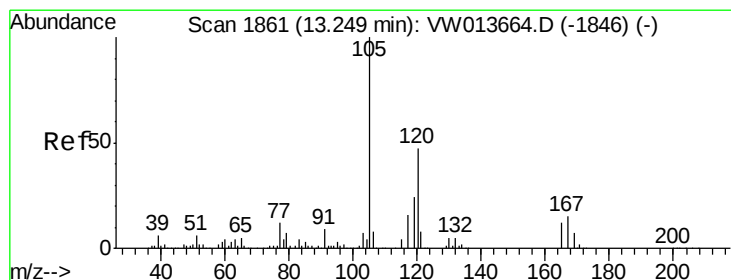
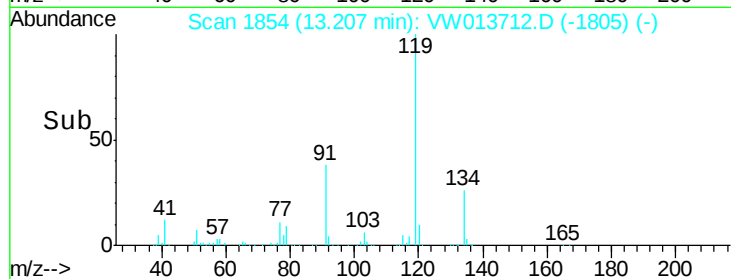
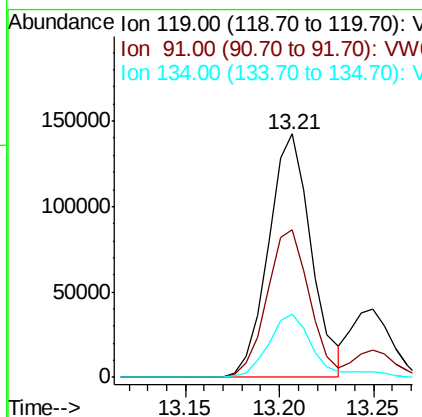
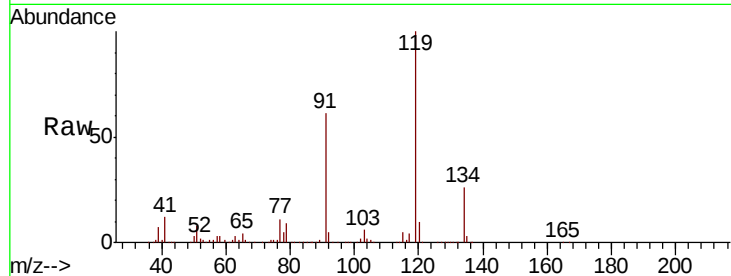
#83
tert-Butylbenzene
Concen: 20.420 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.4	91.3
134	27.6	13.6	40.8

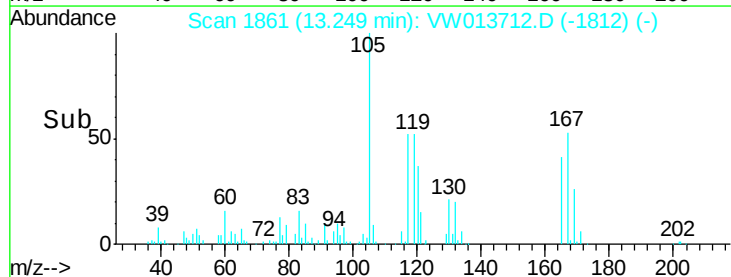
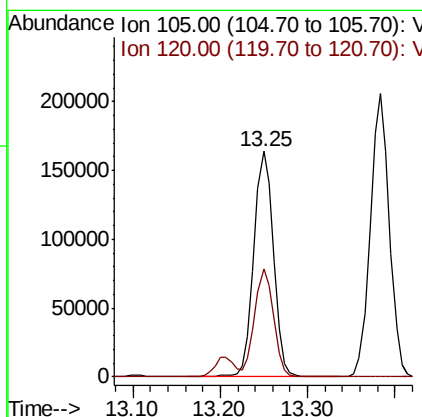
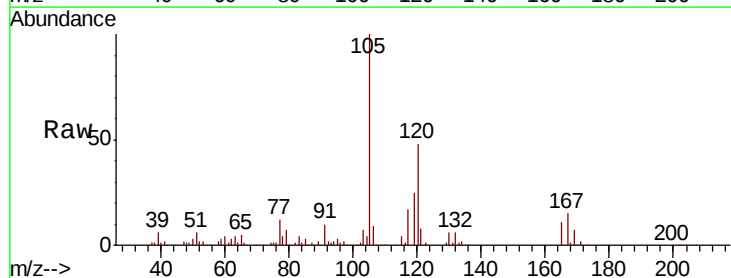
Manual Integrations
APPROVED

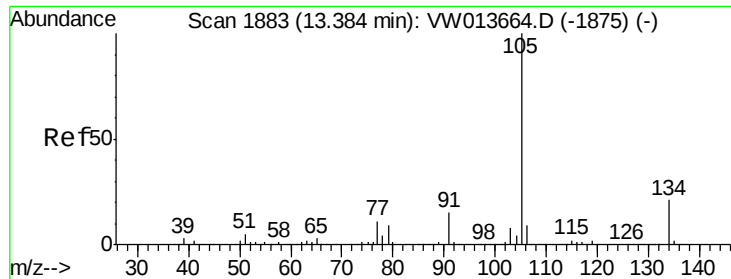
MMDadoda
10/25/2019 4:47:22 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.777 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5





#85

sec-Butylbenzene

Concen: 20.815 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion:105 Resp: 312614

Ion Ratio Lower Upper

105 100

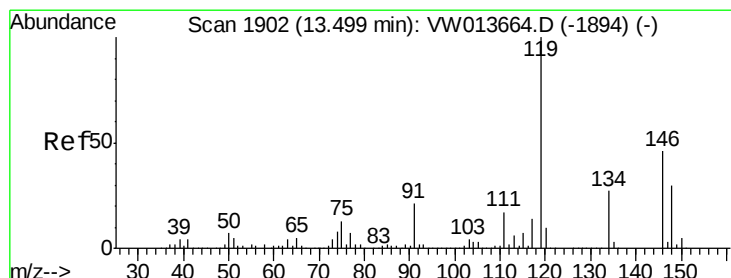
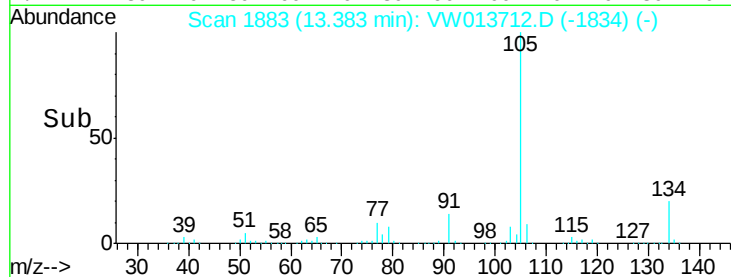
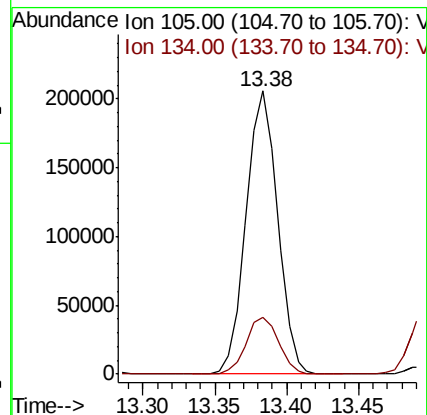
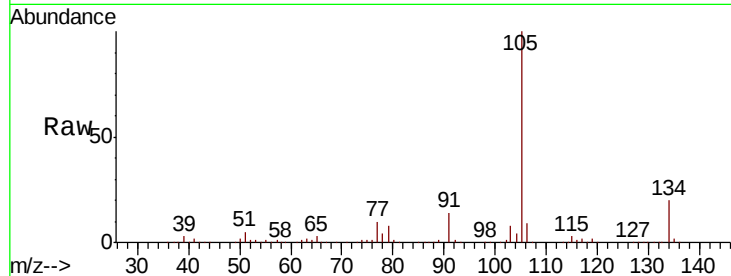
134 20.5 10.5 31.5

Manual Integrations

APPROVED

MMDadoda

10/25/2019 4:47:22 PM



#86

p-Isopropyltoluene

Concen: 20.691 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

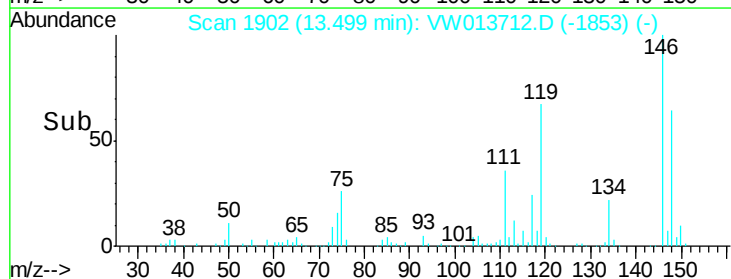
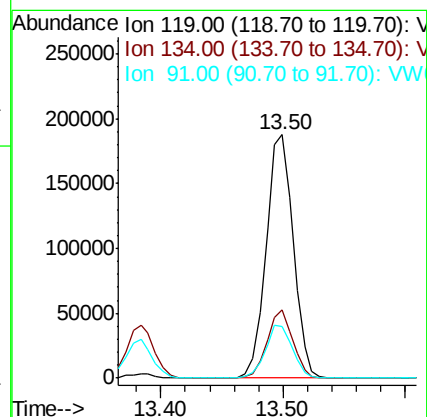
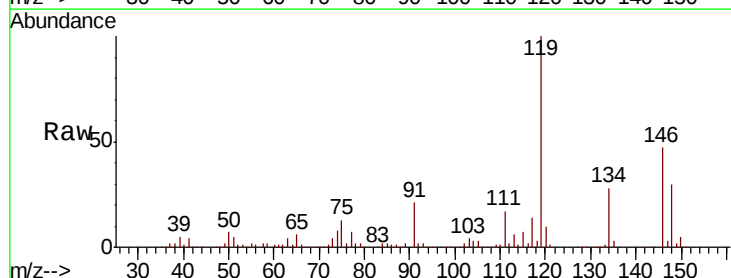
Tgt Ion:119 Resp: 289468

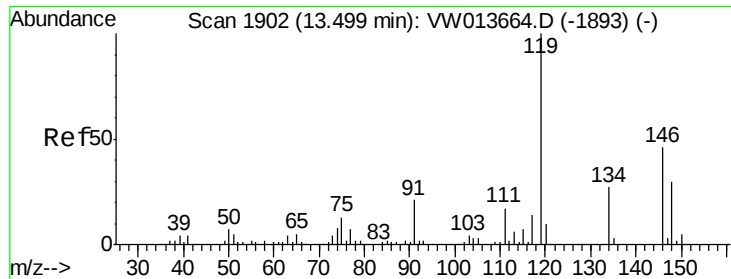
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.7 10.8 32.3





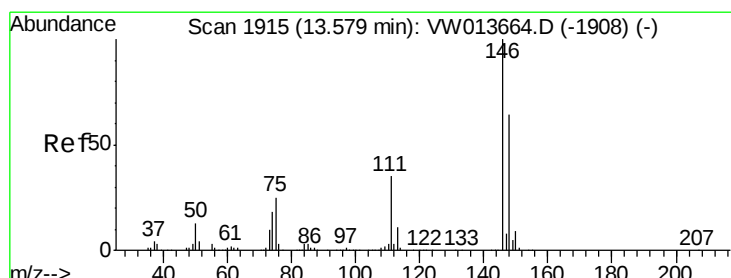
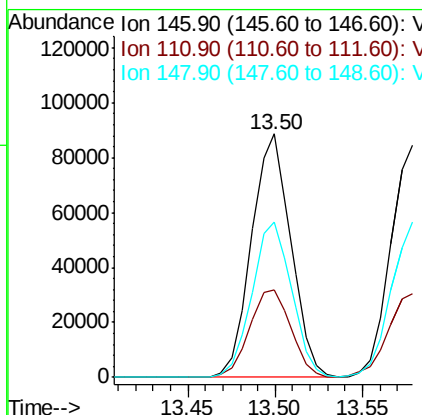
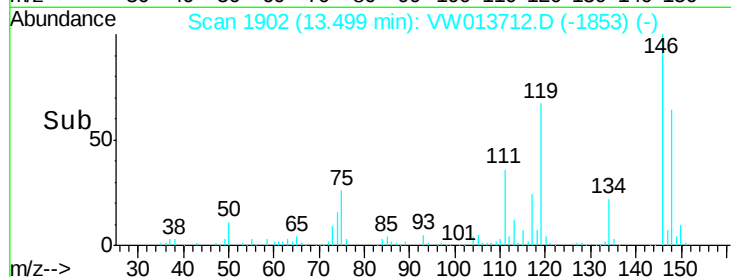
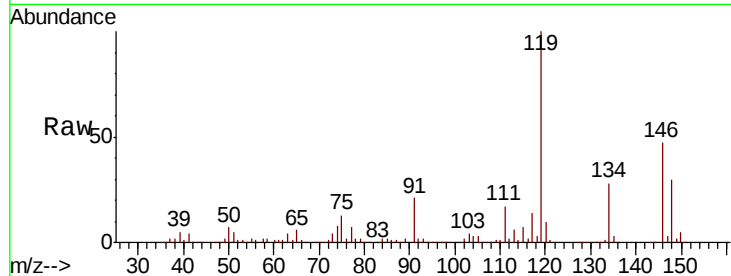
#87
 1,3-Dichlorobenzene
 Concen: 20.424 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	138552		
111	37.9	18.6	56.0	
148	64.3	31.7	95.1	

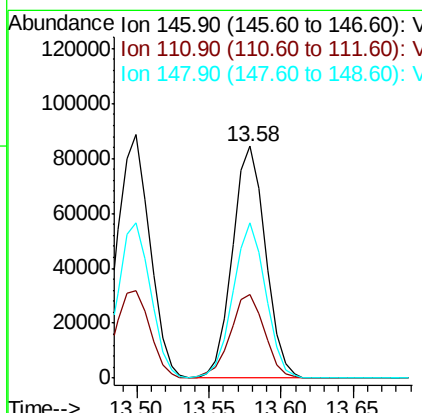
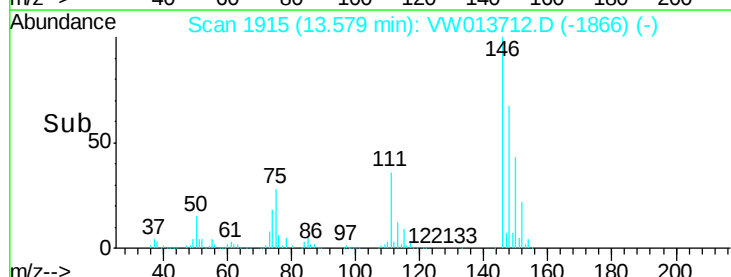
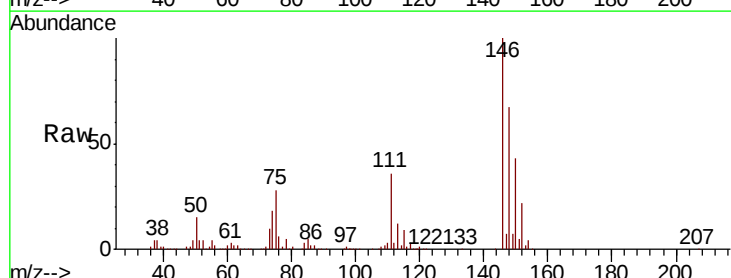
Manual Integrations
 APPROVED

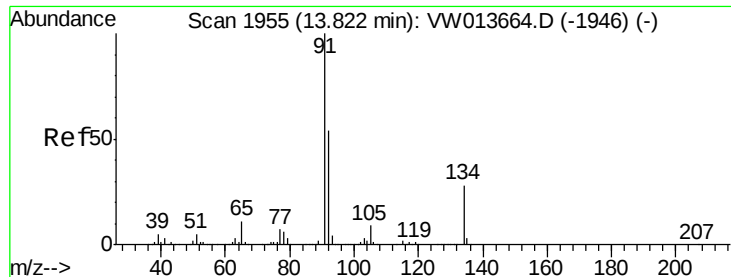
MMDadoda
 10/25/2019 4:47:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.045 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	135094		
111	37.6	18.1	54.3	
148	66.4	32.0	96.2	





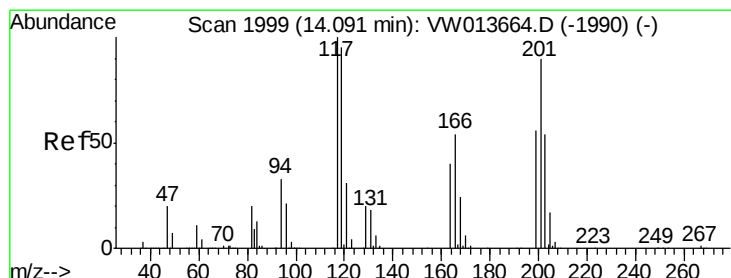
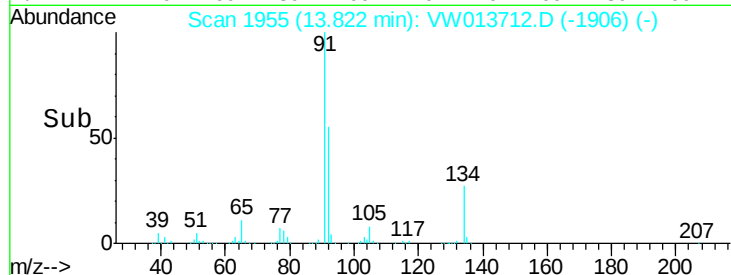
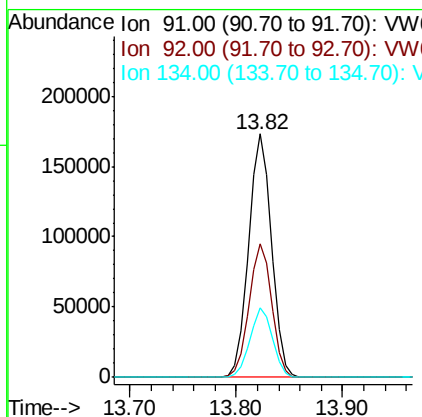
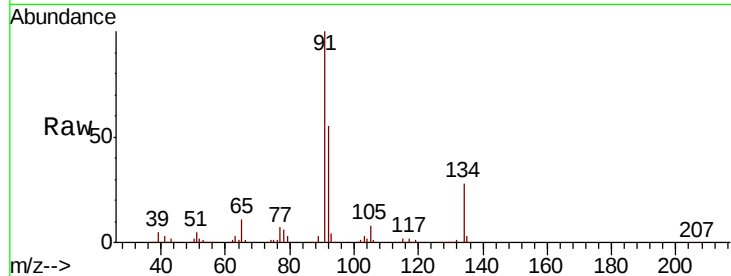
#89
n-Butylbenzene
Concen: 20.663 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	260930		
92	54.5		27.5	82.4
134	28.0		14.0	41.9

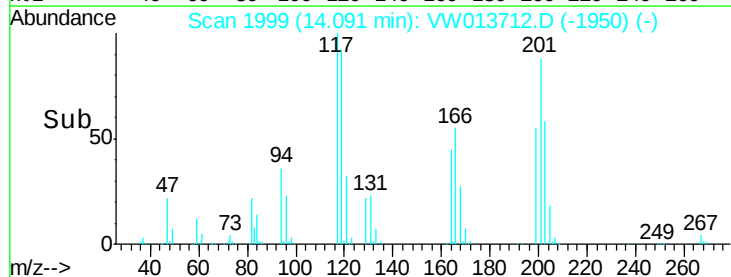
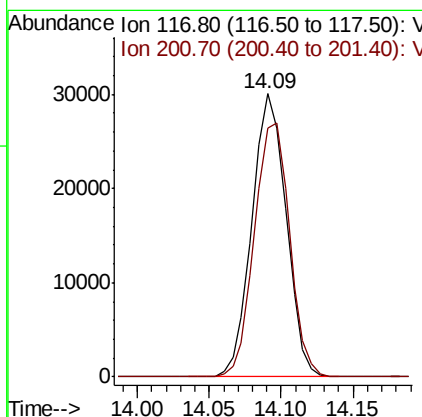
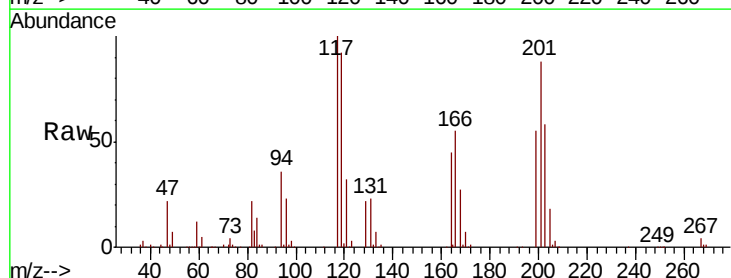
Manual Integrations
APPROVED

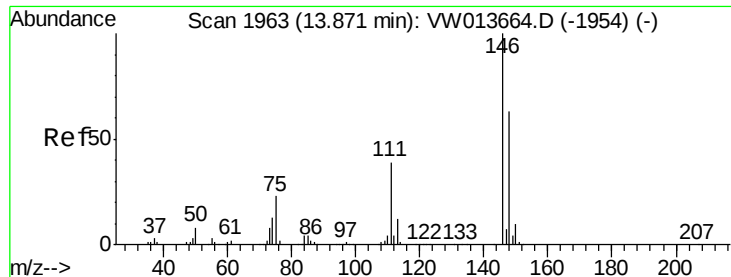
MMDadoda
10/25/2019 4:47:22 PM



#90
Hexachloroethane
Concen: 20.301 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49365		
201	92.2		46.1	138.2





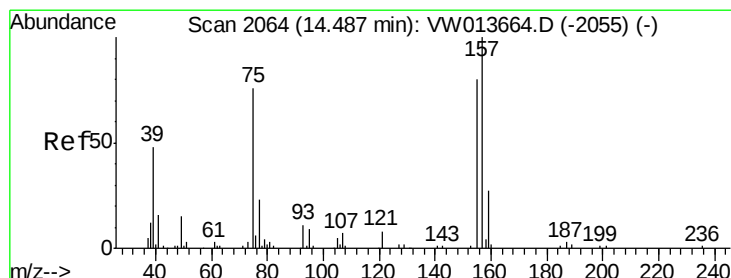
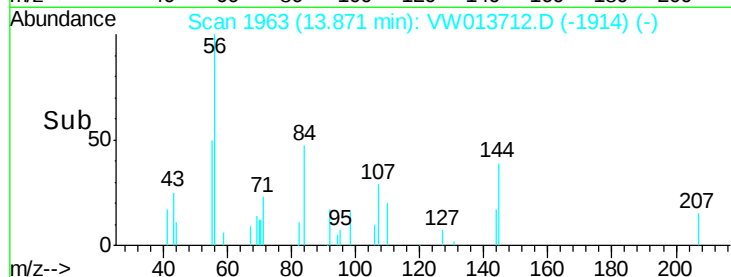
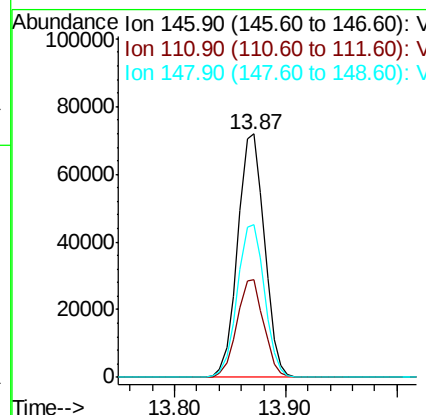
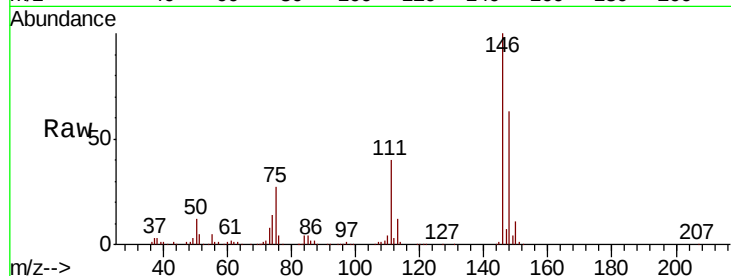
#91
 1,2-Dichlorobenzene
 Concen: 20.324 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.9	59.6
148	63.8	31.9	95.9

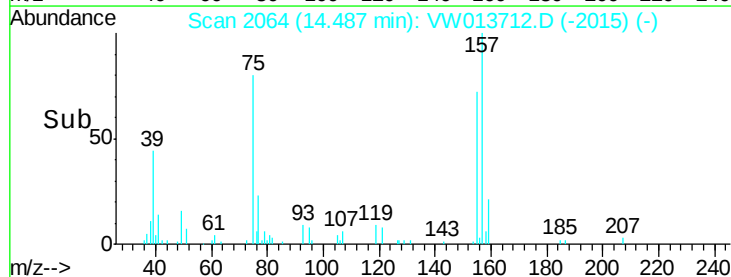
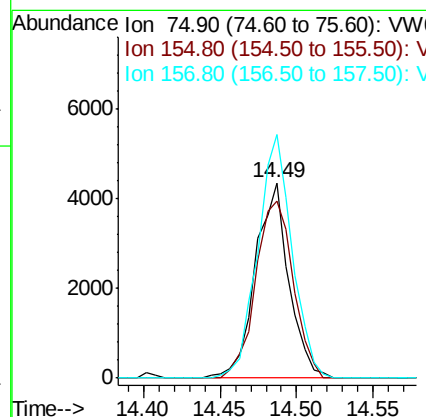
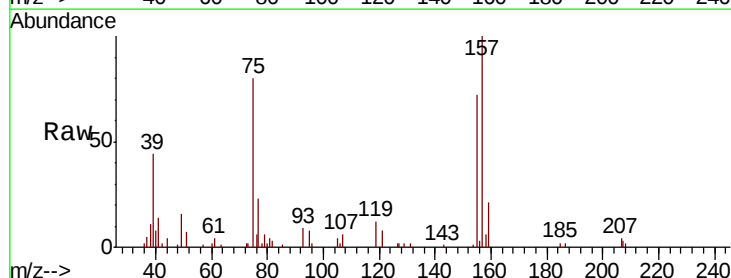
Manual Integrations
 APPROVED

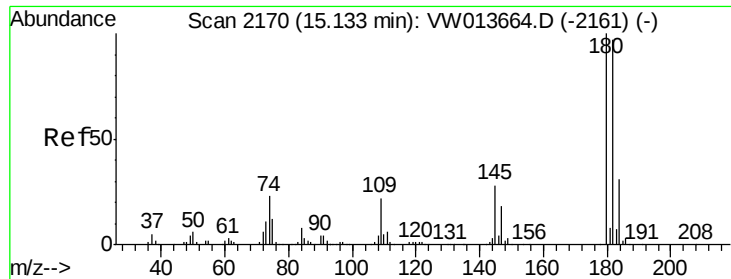
MMDadoda
 10/25/2019 4:47:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.056 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	51.9	155.7
157	127.8	64.8	194.3





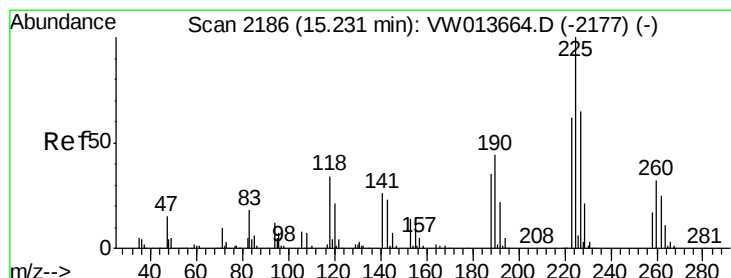
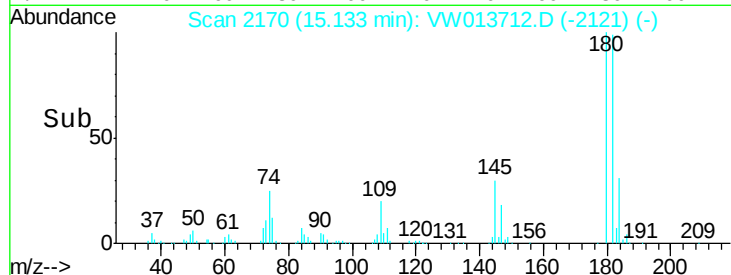
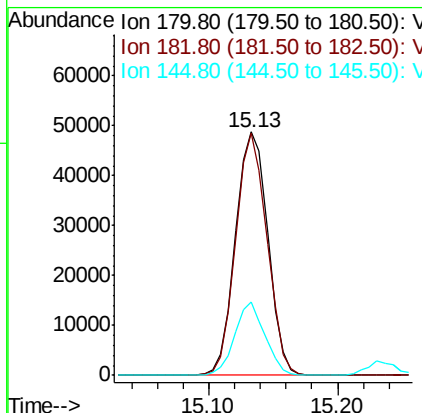
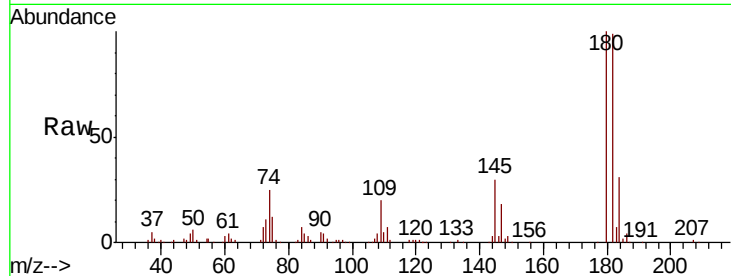
#93
1,2,4-Trichlorobenzene
Concen: 19.907 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.2
145	28.2	14.1	42.3

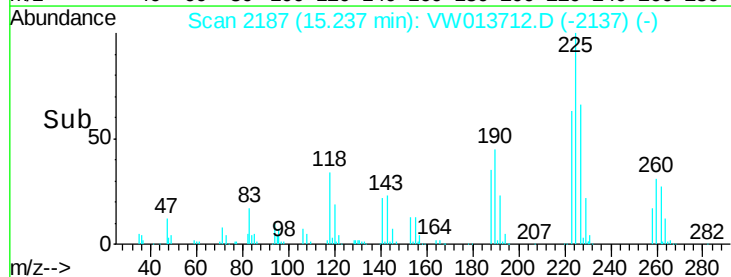
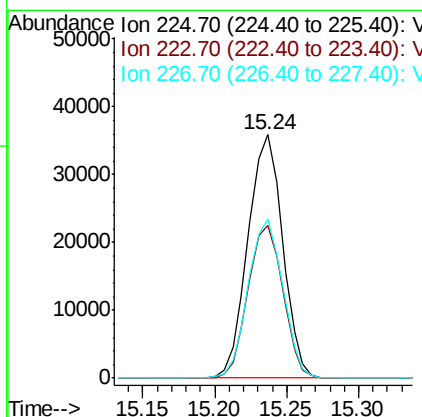
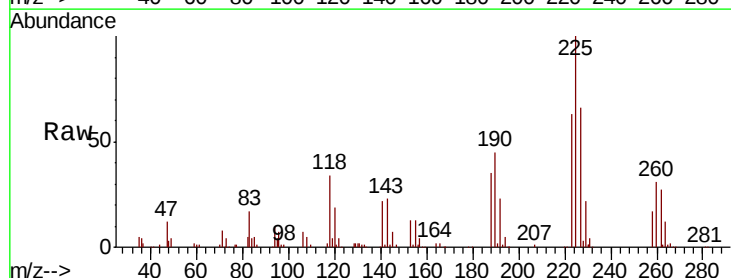
Manual Integrations
APPROVED

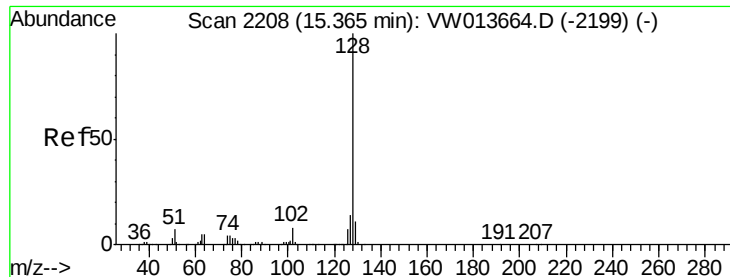
MMDadoda
10/25/2019 4:47:22 PM



#94
Hexachlorobutadiene
Concen: 20.697 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.9
227	65.4	32.5	97.4





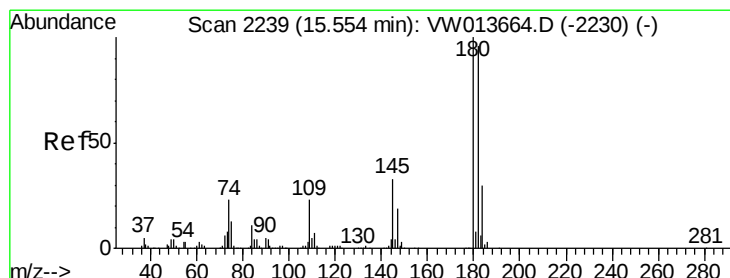
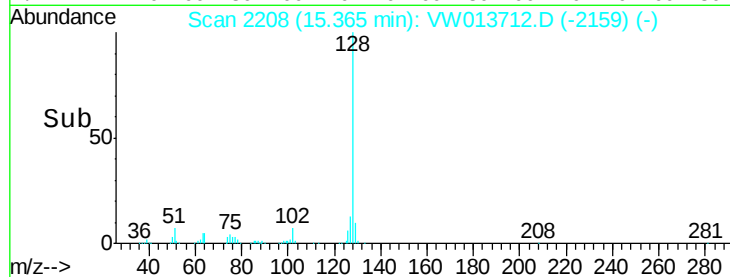
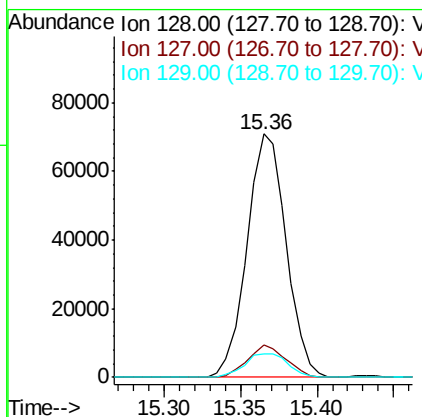
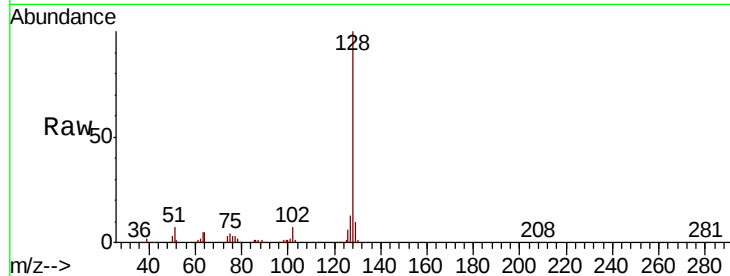
#95
Naphthalene
Concen: 18.765 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		125948		
127	13.0			10.6	15.8
129	10.8			8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:47:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.564 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		72164		
182	97.7			47.4	142.3
145	31.3			14.9	44.9

