

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013688.D
 Acq On : 24 Oct 2019 01:46
 Operator : SY/VA
 Sample : VW1023SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:25:43 PM

Quant Time: Oct 24 08:39:46 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	258131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	158792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107238	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	
35) Dibromofluoromethane	7.88	113	104266	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.32	98	426134	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.62	95	145369	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32283	23.739	ug/l	92
3) Chloromethane	2.21	50	31137	21.305	ug/l	97
4) Vinyl Chloride	2.37	62	46242	20.951	ug/l	100
5) Bromomethane	2.77	94	29481	20.309	ug/l	100
6) Chloroethane	2.92	64	26573	19.897	ug/l	97
7) Trichlorofluoromethane	3.26	101	25591	18.563	ug/l	100
8) Diethyl Ether	3.68	74	24087	21.626	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48732	21.744	ug/l	99
10) Methyl Iodide	4.27	142	71683	19.628	ug/l	99
11) Tert butyl alcohol	5.18	59	18810	162.718	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	45882	19.819	ug/l	98
13) Acrolein	3.90	56	15149	114.386	ug/l	96
14) Allyl chloride	4.67	41	70858	19.905	ug/l	99
15) Acrylonitrile	5.36	53	64962	143.436	ug/l	98
16) Acetone	4.13	43	50175	122.206	ug/l	95
17) Carbon Disulfide	4.39	76	129528	19.482	ug/l	99
18) Methyl Acetate	4.67	43	36092	32.068	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	64019	23.044	ug/l	98
20) Methylene Chloride	4.92	84	53120	20.736	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	49169	19.733	ug/l	96
22) Diisopropyl ether	6.31	45	132768	20.447	ug/l	96
23) Vinyl Acetate	6.25	43	425098	112.827	ug/l	99
24) 1,1-Dichloroethane	6.21	63	82607	20.087	ug/l	100
25) 2-Butanone	7.17	43	82847	140.351	ug/l	93
26) 2,2-Dichloropropane	7.16	77	46759	19.663	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	52516	19.843	ug/l	98
28) Bromochloromethane	7.51	49	22534	16.308	ug/l #	98
29) Tetrahydrofuran	7.52	42	55063	150.673	ug/l	100
30) Chloroform	7.67	83	80518	19.806	ug/l	97
31) Cyclohexane	7.95	56	87873	20.418	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	65759	20.613	ug/l	97
36) 1,1-Dichloropropene	8.08	75	68329	20.360	ug/l	98
37) Ethyl Acetate	7.25	43	39037	30.386	ug/l	99
38) Carbon Tetrachloride	8.07	117	63485	21.006	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013688.D
 Acq On : 24 Oct 2019 01:46
 Operator : SY/VA
 Sample : VW1023SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1023SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:25:43 PM

Quant Time: Oct 24 08:39:46 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	9.33	83	90988	20.994	ug/l	98
40) Benzene	8.32	78	191556	20.168	ug/l	98
41) Methacrylonitrile	7.48	41	23394	29.201	ug/l	93
42) 1,2-Dichloroethane	8.40	62	54121	22.613	ug/l	99
43) Isopropyl Acetate	8.42	43	64559	26.253	ug/l	98
44) Trichloroethene	9.09	130	54471	20.021	ug/l	99
45) 1,2-Dichloropropane	9.37	63	45951	20.255	ug/l	95
46) Dibromomethane	9.46	93	25264	22.944	ug/l	98
47) Bromodichloromethane	9.65	83	58589	20.565	ug/l	94
48) Methyl methacrylate	9.43	41	31549	25.871	ug/l	97
49) 1,4-Dioxane	9.45	88	10414	640.040	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	173562	142.033	ug/l	100
52) Toluene	10.38	92	123180	20.106	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	60633	21.023	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	70745	19.881	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	37948	23.125	ug/l	95
56) Ethyl methacrylate	10.65	69	50770	24.728	ug/l	100
57) 1,3-Dichloropropane	10.93	76	64241	22.812	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	120221	127.230	ug/l	99
59) 2-Hexanone	10.97	43	122253	145.119	ug/l	100
60) Dibromochloromethane	11.13	129	42890	22.013	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37423	24.105	ug/l	100
64) Tetrachloroethene	10.86	164	51484	21.583	ug/l	98
65) Chlorobenzene	11.66	112	126465	19.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	45363	20.260	ug/l	99
67) Ethyl Benzene	11.73	91	227287	19.647	ug/l	99
68) m/p-Xylenes	11.84	106	177555	39.726	ug/l	99
69) o-Xylene	12.16	106	81248	19.777	ug/l	98
70) Styrene	12.18	104	141761	20.084	ug/l	99
71) Bromoform	12.35	173	28027	23.853	ug/l #	99
73) Isopropylbenzene	12.46	105	233437	20.471	ug/l	99
74) N-amyl acetate	12.27	43	55884	25.334	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44698	24.839	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	30230m	26.509	ug/l	
77) Bromobenzene	12.74	156	56601	20.778	ug/l	98
78) n-propylbenzene	12.80	91	268014	20.306	ug/l	100
79) 2-Chlorotoluene	12.89	91	148558	20.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	192135	19.959	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13908	23.049	ug/l	92
82) 4-Chlorotoluene	12.99	91	154761	19.874	ug/l	99
83) tert-Butylbenzene	13.21	119	172869	20.231	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	190093	20.019	ug/l	99
85) sec-Butylbenzene	13.38	105	239378	20.487	ug/l	100
86) p-Isopropyltoluene	13.50	119	220988	20.303	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	105085	19.910	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106859	20.379	ug/l	99
89) n-Butylbenzene	13.82	91	193029	19.648	ug/l	99
90) Hexachloroethane	14.09	117	37838	20.000	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	94346	20.616	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7682	28.231	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
Data File : VW013688.D
Acq On : 24 Oct 2019 01:46
Operator : SY/VA
Sample : VW1023SBS02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:25:43 PM

Quant Time: Oct 24 08:39:46 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	67023	20.124	ug/l	98
94) Hexachlorobutadiene	15.24	225	47219	21.001	ug/l	97
95) Naphthalene	15.36	128	124223	23.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	59640	20.782	ug/l	99

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

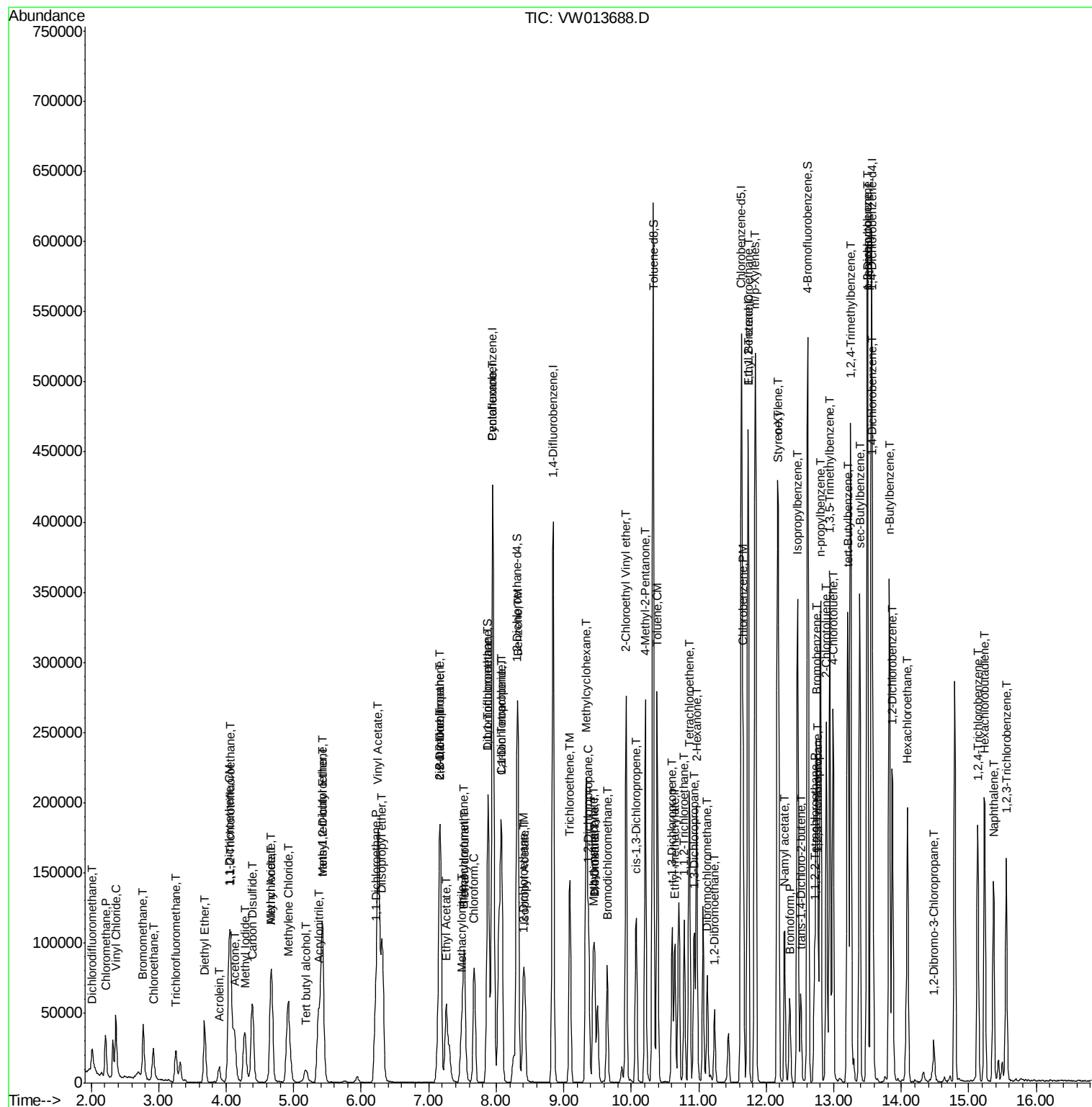
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013688.D
 Acq On : 24 Oct 2019 01:46
 Operator : SY/VA
 Sample : VW1023SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

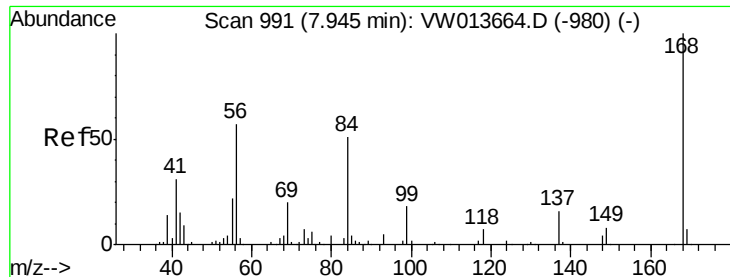
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:25:43 PM

Quant Time: Oct 24 08:39:46 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion:168 Resp: 258131

Ion Ratio Lower Upper

168 100

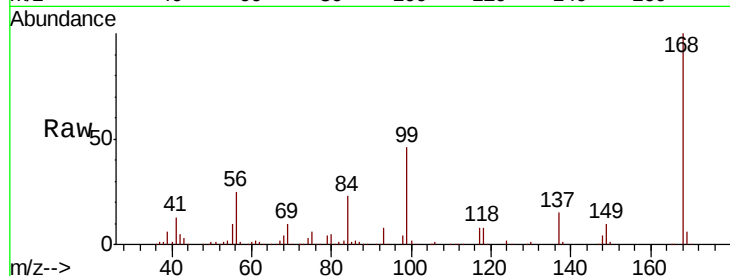
99 46.1 39.0 58.6

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:25:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

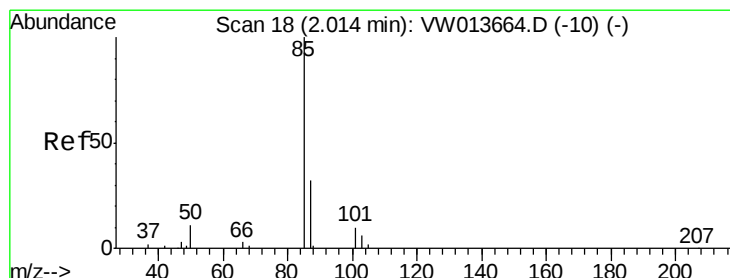
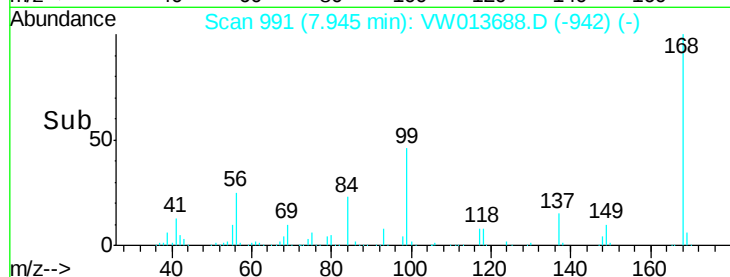
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 23.739 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013688.D

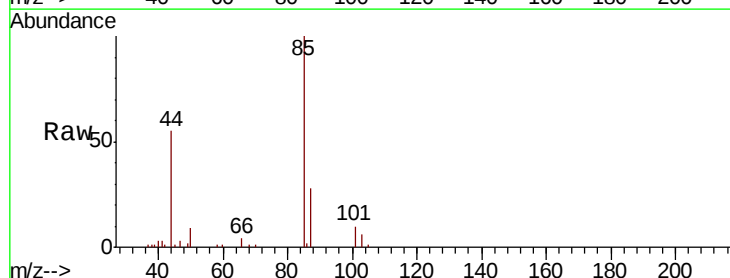
Acq: 24 Oct 2019 01:46

Tgt Ion: 85 Resp: 32283

Ion Ratio Lower Upper

85 100

87 27.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

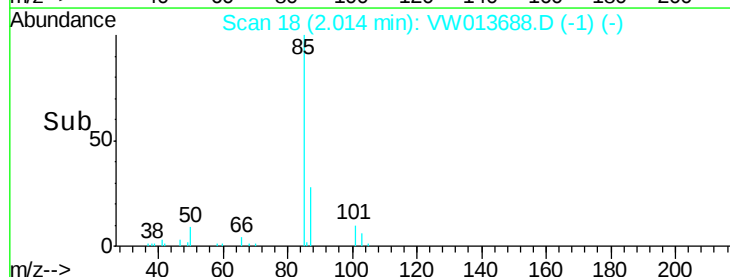
6000

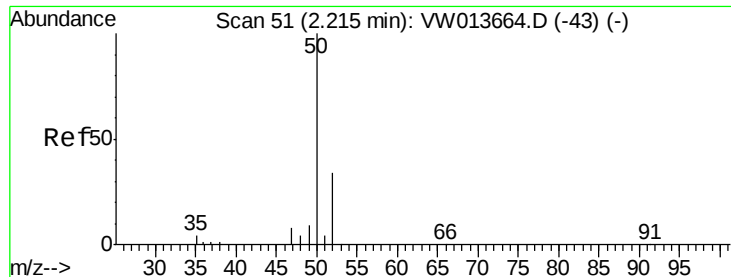
4000

2000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 21.305 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 50 Resp: 31137

Ion Ratio Lower Upper

50 100

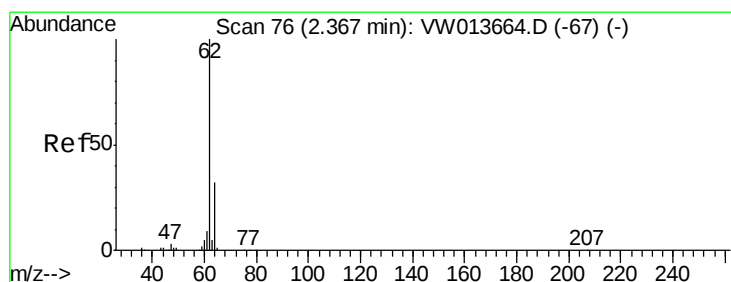
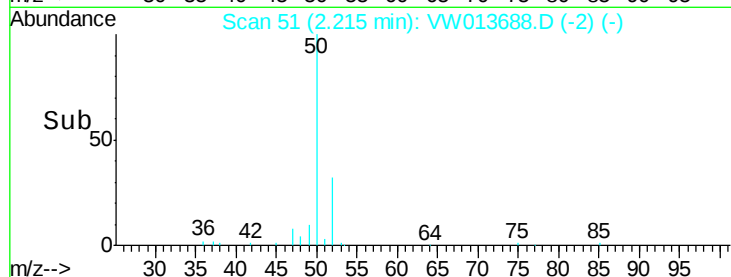
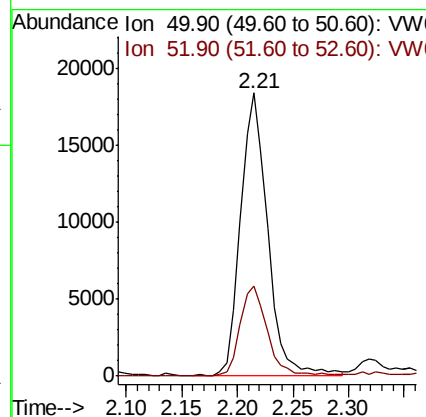
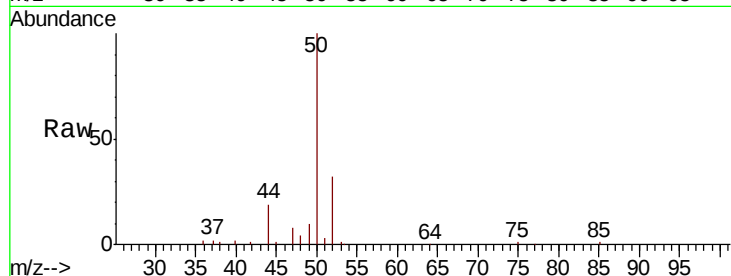
52 32.0 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:25:43 PM



#4

Vinyl Chloride

Concen: 20.951 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013688.D

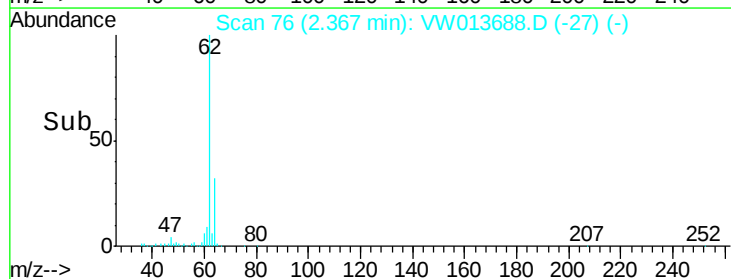
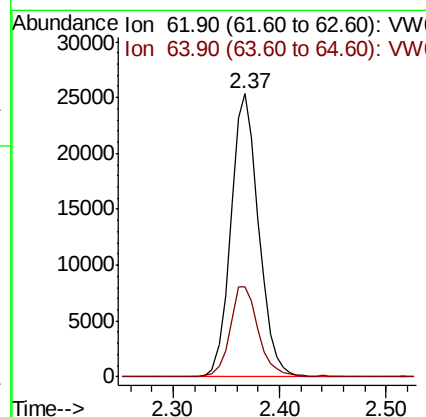
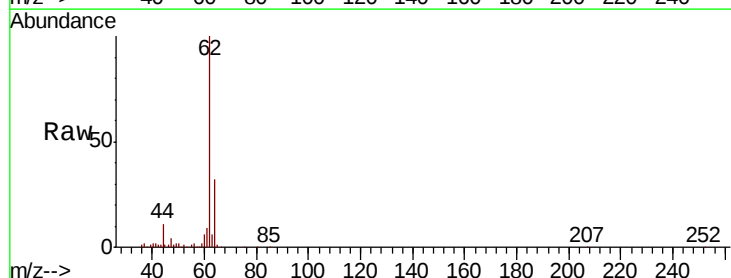
Acq: 24 Oct 2019 01:46

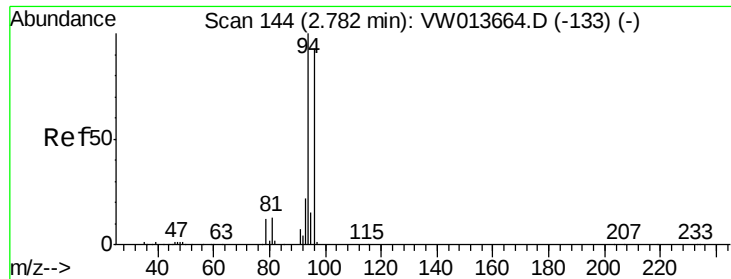
Tgt Ion: 62 Resp: 46242

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 20.309 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 94 Resp: 29481

Ion Ratio Lower Upper

94 100

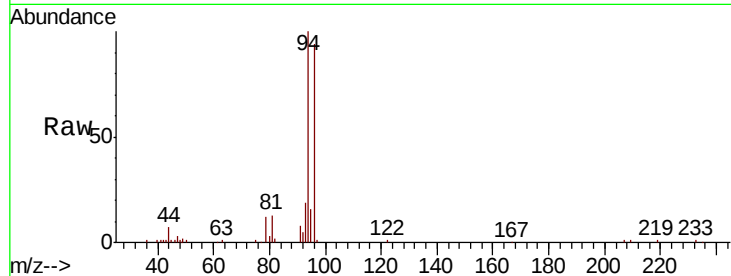
96 92.9 74.6 112.0

Manual Integrations

APPROVED

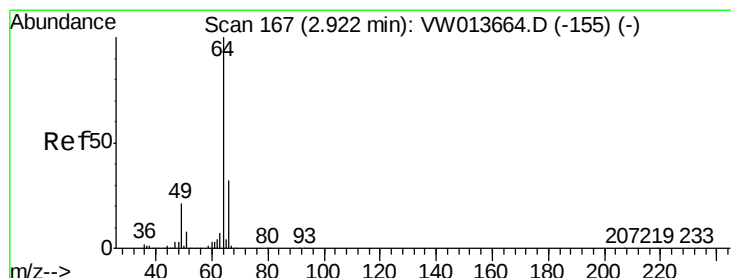
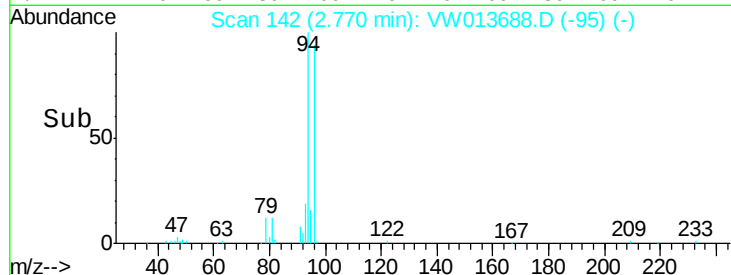
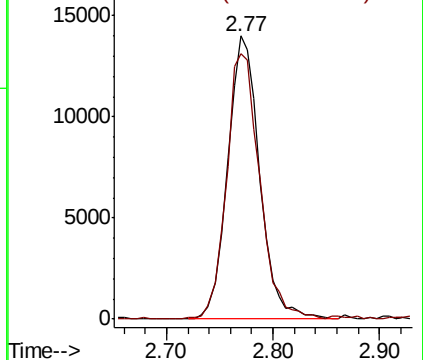
MMDadoda

10/24/2019 1:25:43 PM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.897 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013688.D

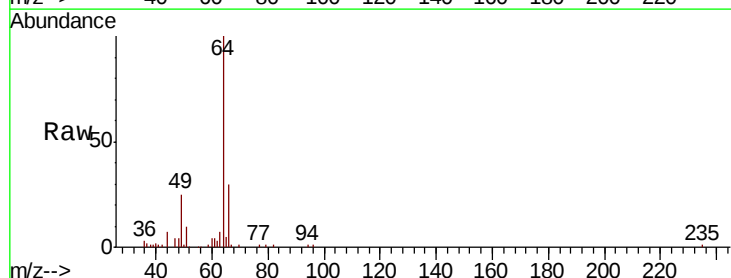
Acq: 24 Oct 2019 01:46

Tgt Ion: 64 Resp: 26573

Ion Ratio Lower Upper

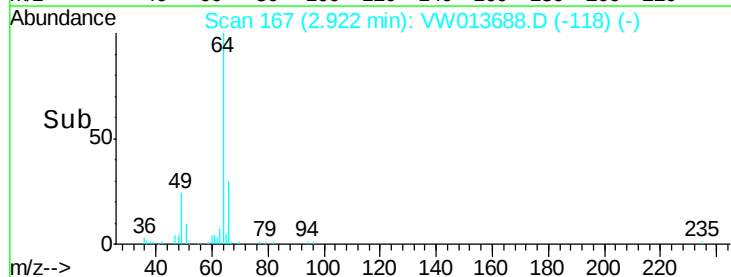
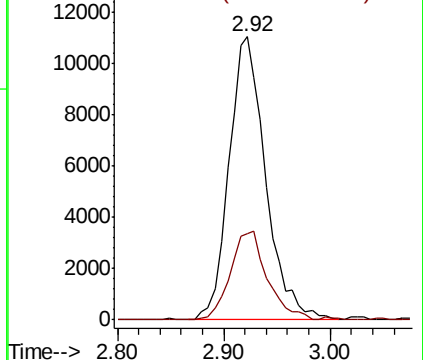
64 100

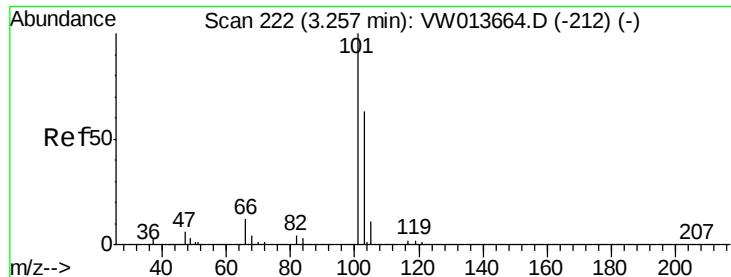
66 30.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

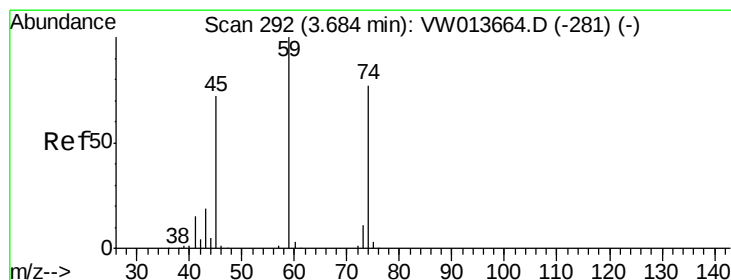
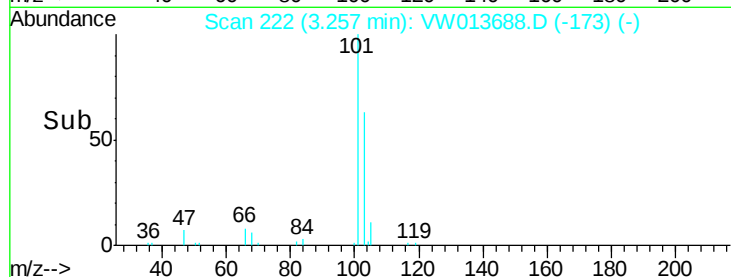
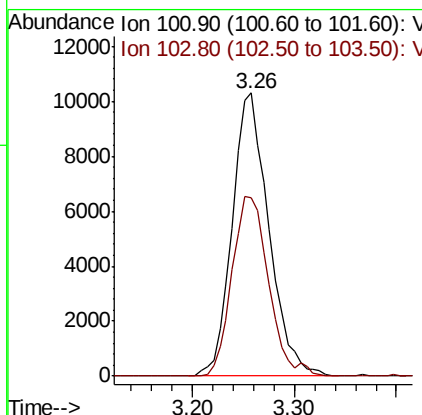
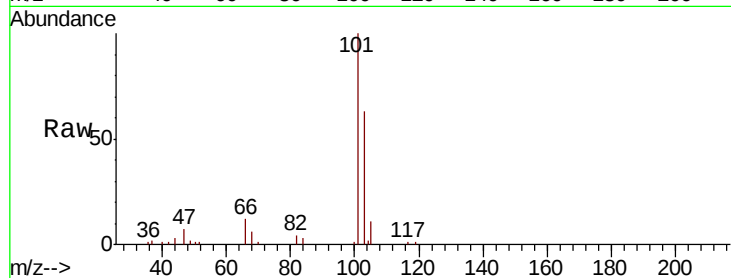
Trichlorofluoromethane
 Concen: 18.563 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.6	76.0

Manual Integrations
 APPROVED

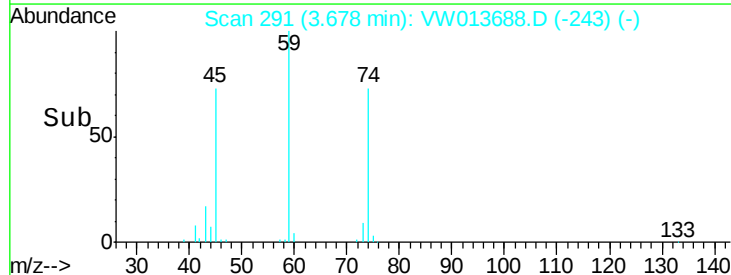
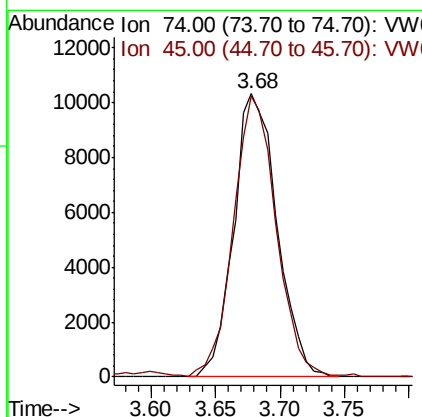
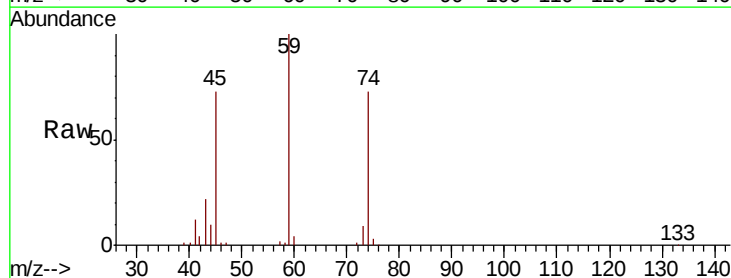
MMDadoda
 10/24/2019 1:25:43 PM

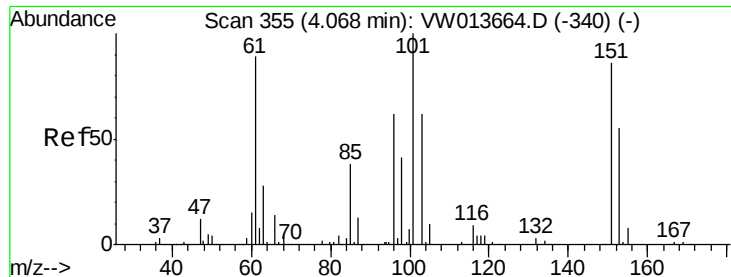


#8

Diethyl Ether
 Concen: 21.626 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.744 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

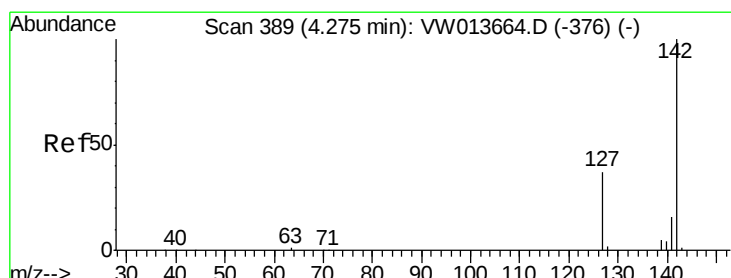
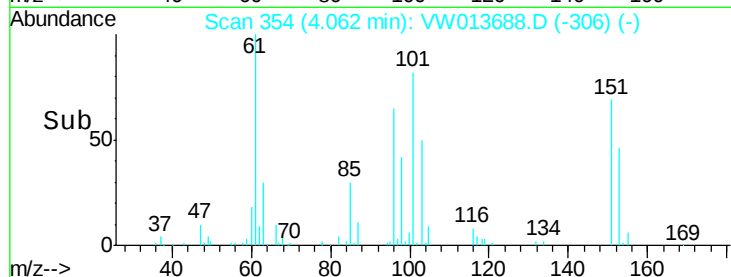
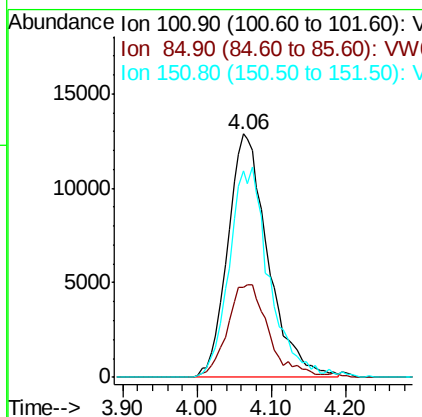
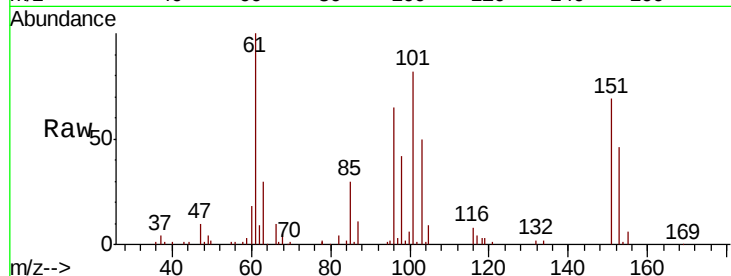
ClientSampleId :

VW1023SBS02

Tot Ion:	101	Resp:	48732
Ion Ratio	Lower	Upper	
101	100		
85	39.6	31.0	46.6
151	84.9	68.2	102.4

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:25:43 PM



#10

Methyl Iodide

Concen: 19.628 ug/l

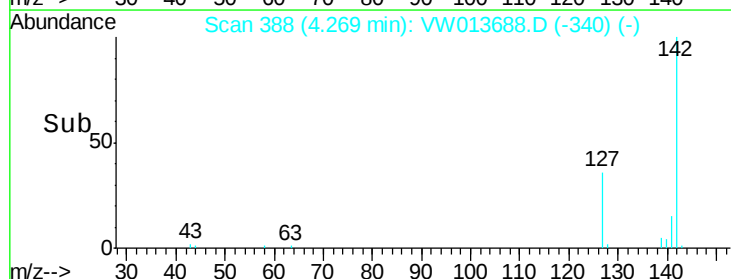
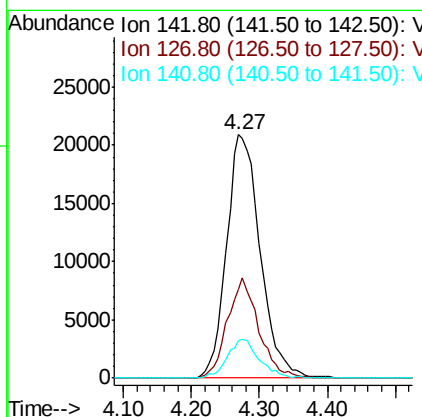
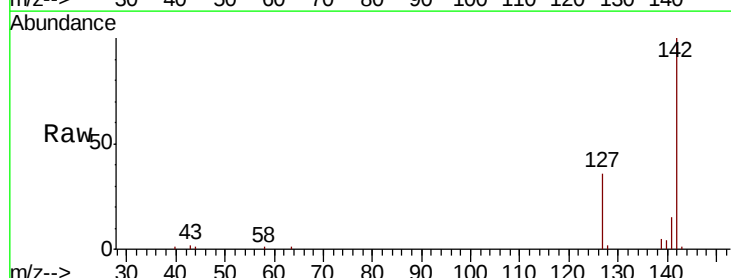
RT: 4.27 min Scan# 388

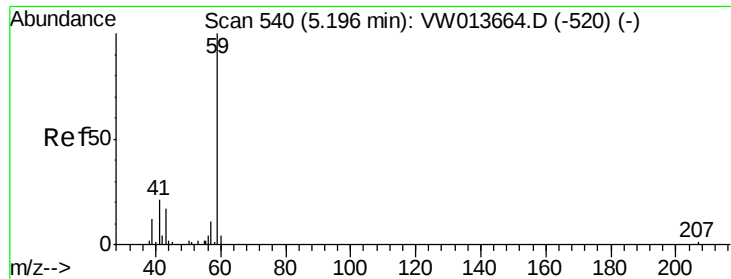
Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Tgt Ion:	142	Resp:	71683
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.3	45.5
141	15.0	11.8	17.8





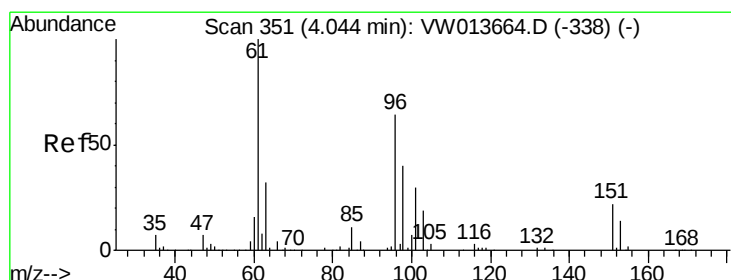
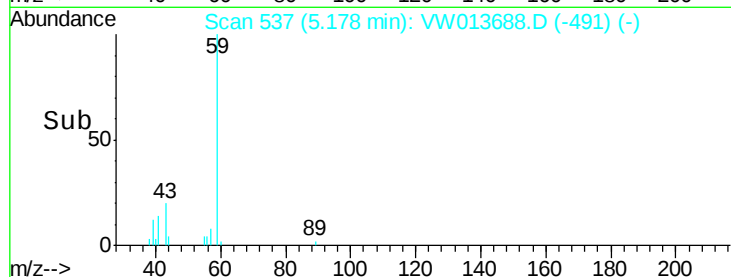
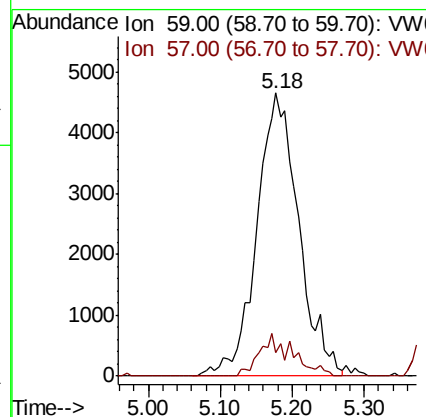
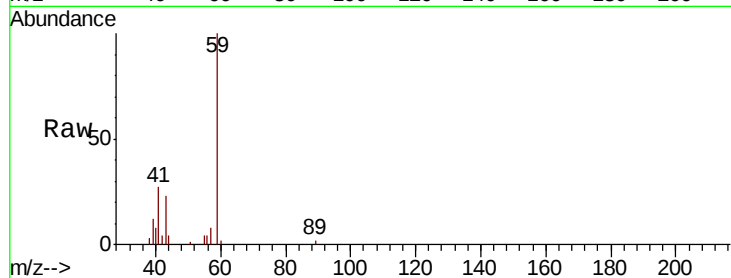
#11
Tert butyl alcohol
Concen: 162.718 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.02 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion: 59 Resp: 18810
Ion Ratio Lower Upper
59 100
57 7.5 8.8 13.2#

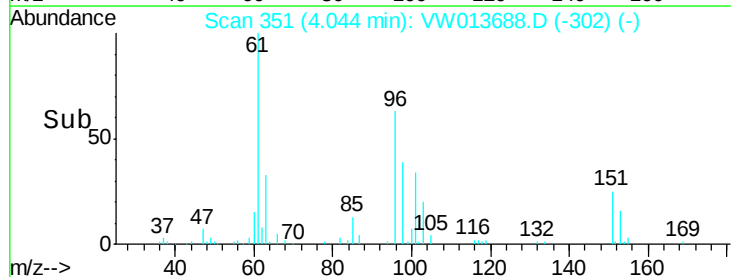
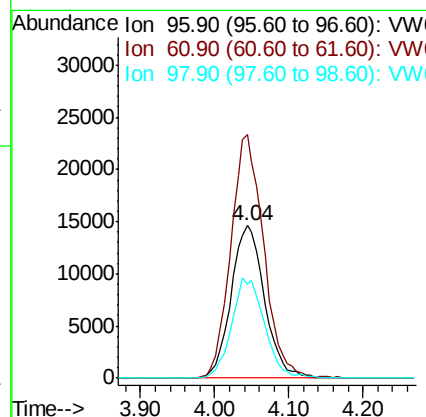
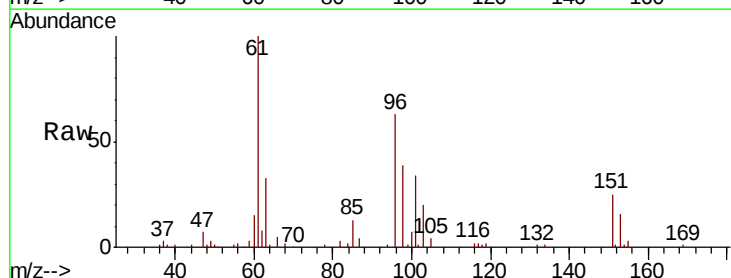
Manual Integrations
APPROVED

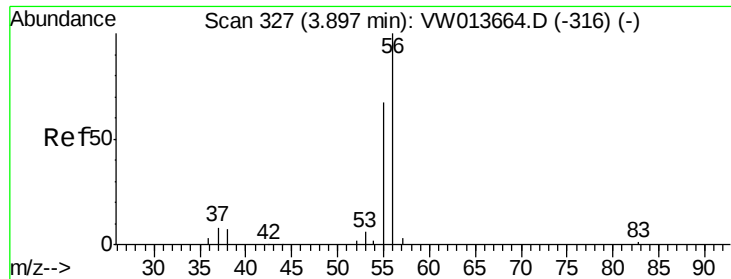
MMDadoda
10/24/2019 1:25:43 PM



#12
1,1-Dichloroethene
Concen: 19.819 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 96 Resp: 45882
Ion Ratio Lower Upper
96 100
61 159.8 125.0 187.6
98 61.9 50.3 75.5





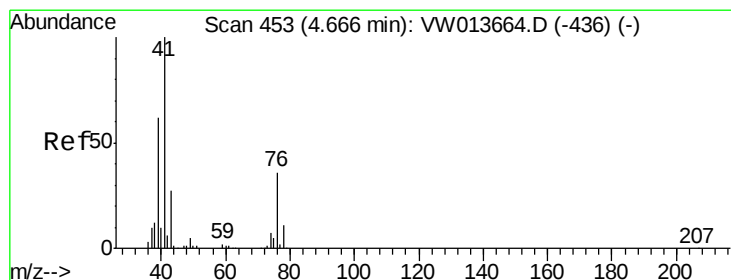
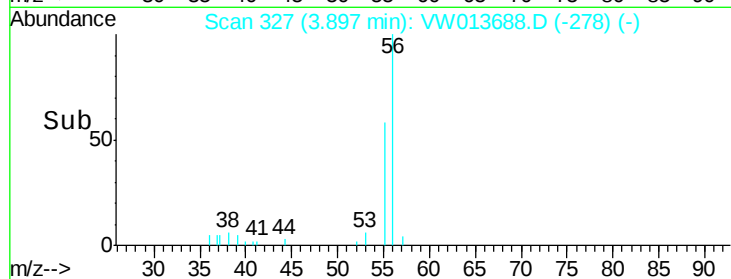
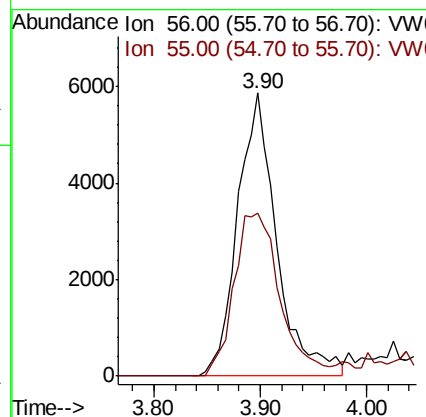
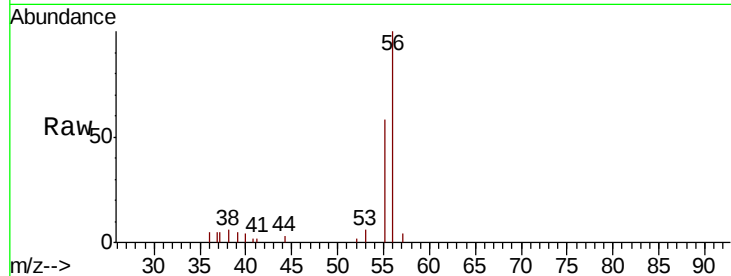
#13
Acrolein
Concen: 114.386 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	56	55	Resp	15149	Lower	Upper
Ion Ratio	100	67.1			56.1	84.1

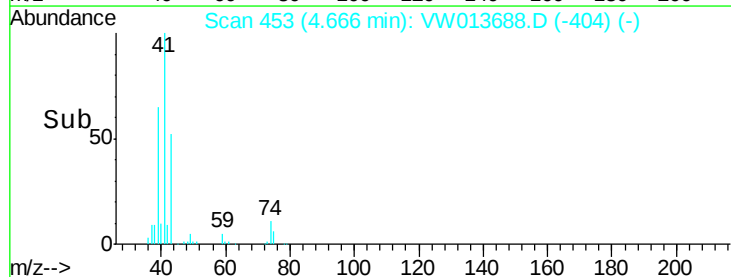
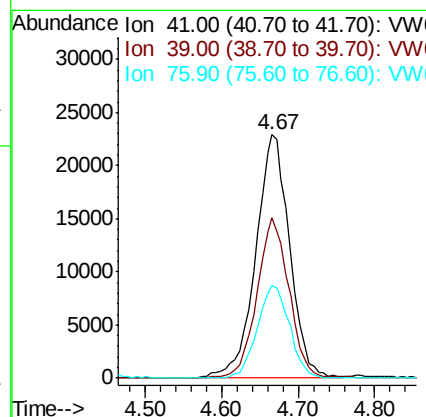
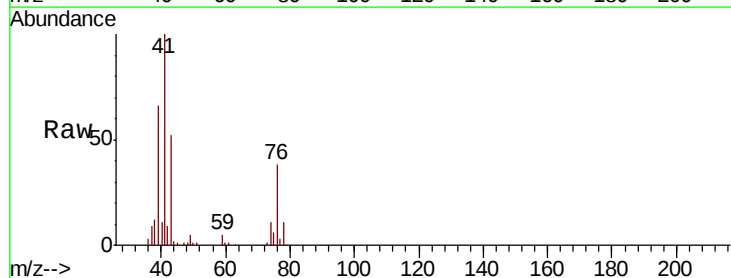
Manual Integrations
APPROVED

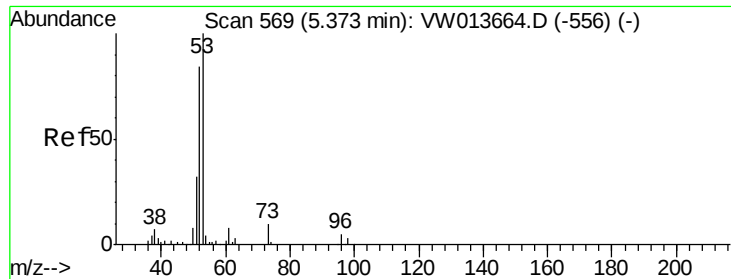
MMDadoda
10/24/2019 1:25:43 PM



#14
Allyl chloride
Concen: 19.905 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	41	39	76	Resp	70858	Lower	Upper
Ion Ratio	100	61.9	36.1			50.0	75.0
						29.6	44.4





#15

Acrylonitrile

Concen: 143.436 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

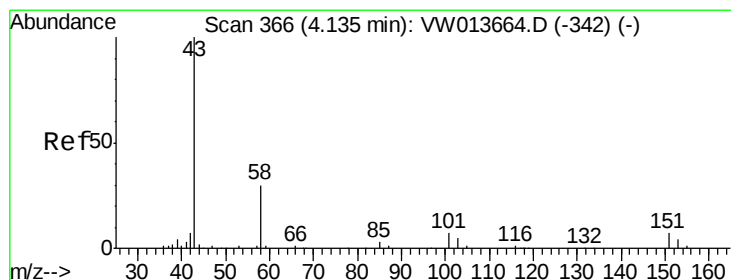
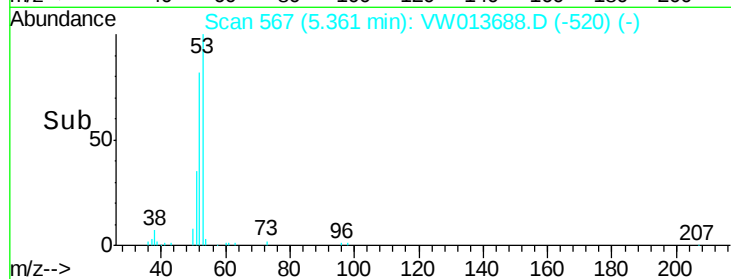
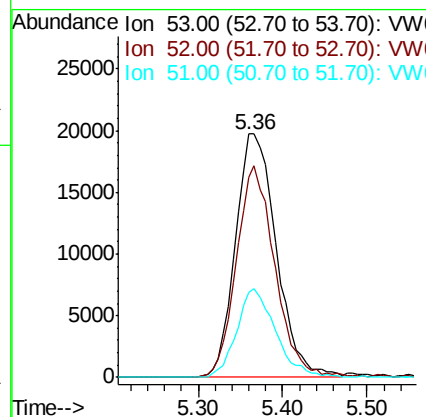
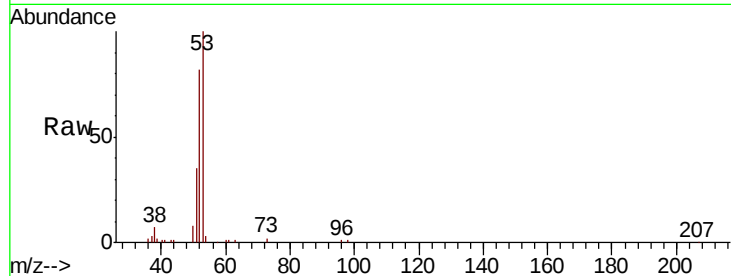
ClientSampleId :

VW1023SBS02

Tot Ion:	53	Resp:	64962
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.4	101.0
51	34.7	29.1	43.7

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:25:43 PM



#16

Acetone

Concen: 122.206 ug/l

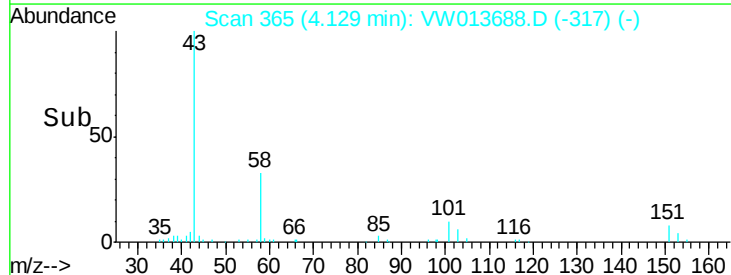
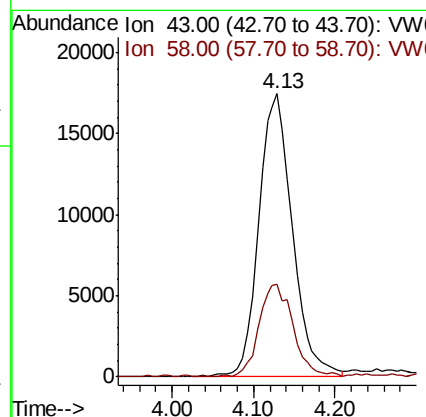
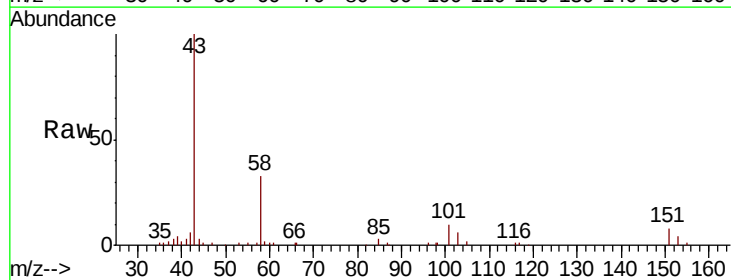
RT: 4.13 min Scan# 365

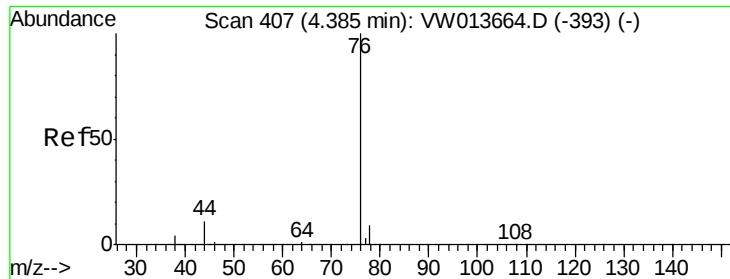
Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Tgt Ion:	43	Resp:	50175
Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.1	36.1





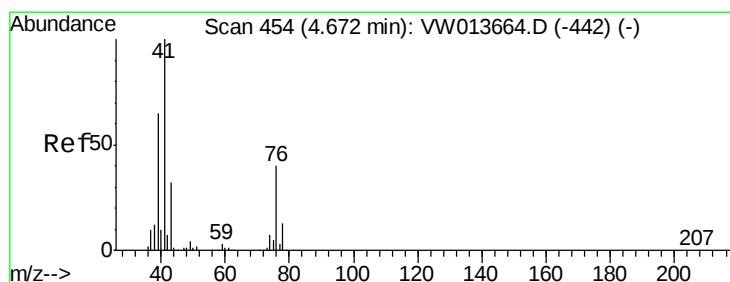
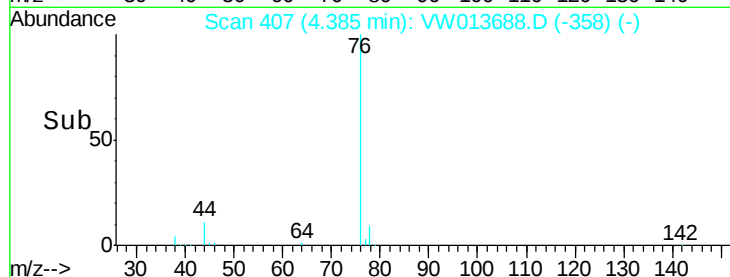
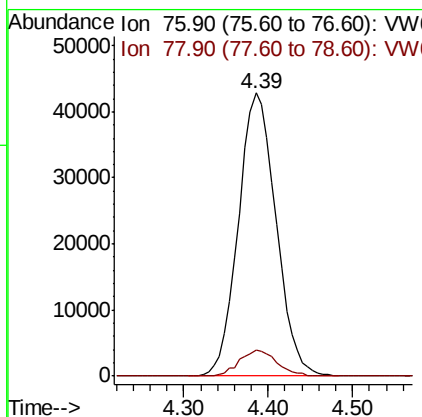
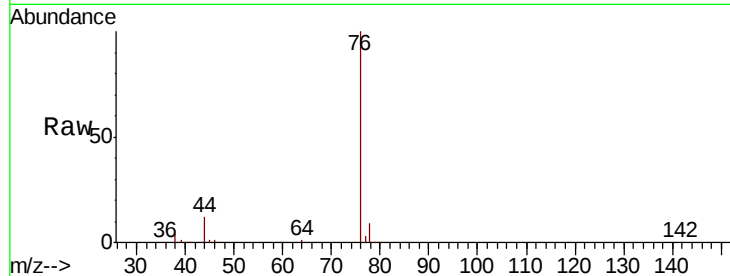
#17
Carbon Disulfide
Concen: 19.482 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

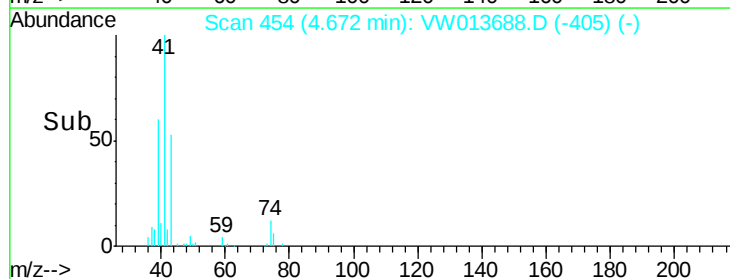
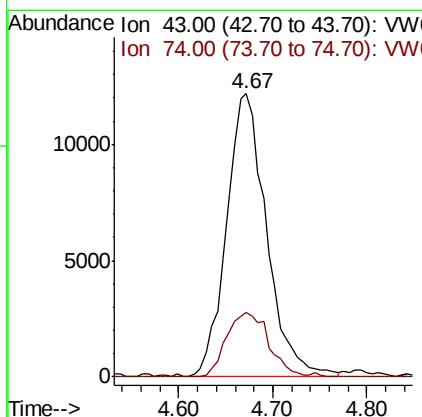
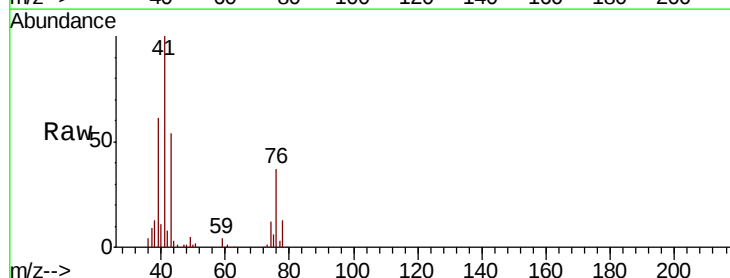
Manual Integrations
APPROVED

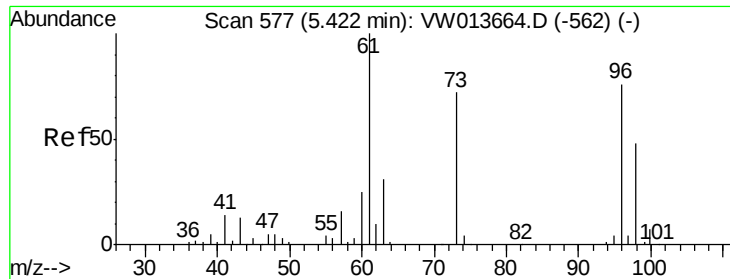
MMDadoda
10/24/2019 1:25:43 PM



#18
Methyl Acetate
Concen: 32.068 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.8	29.8





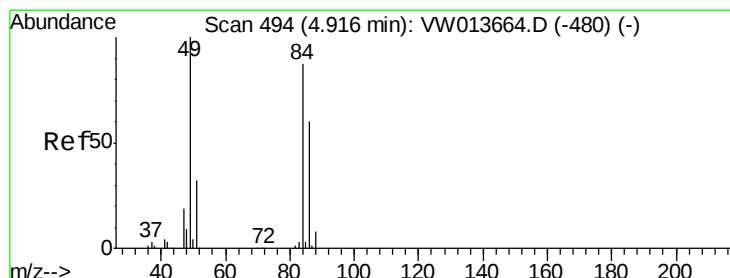
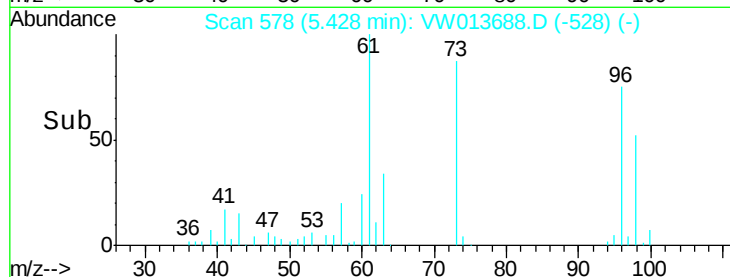
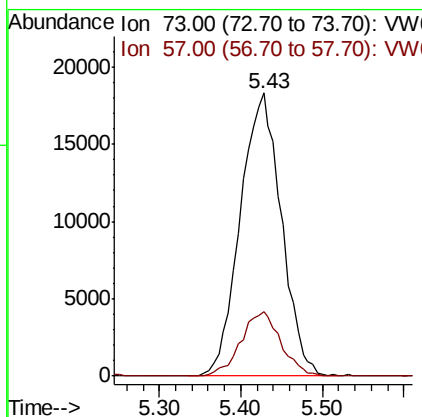
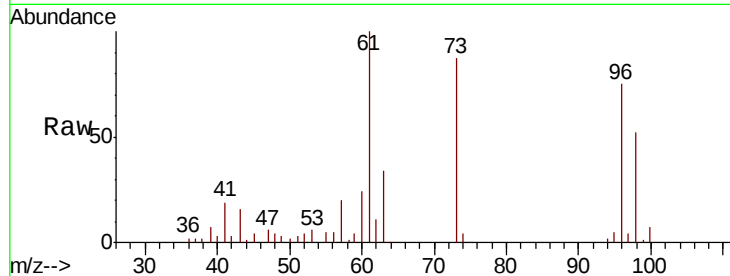
#19
Methvl tert-butvl Ether
Concen: 23.044 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion: 73 Resp: 64019
Ion Ratio Lower Upper
73 100
57 23.0 17.6 26.4

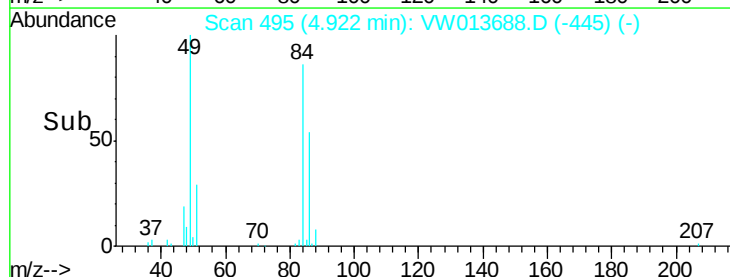
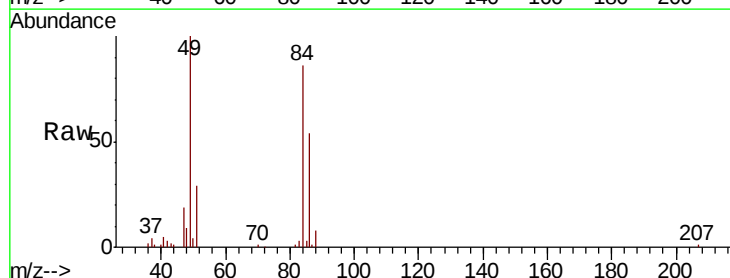
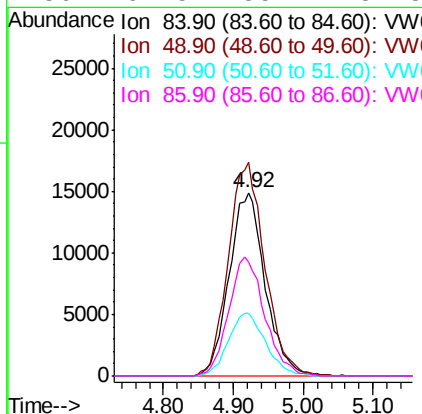
Manual Integrations
APPROVED

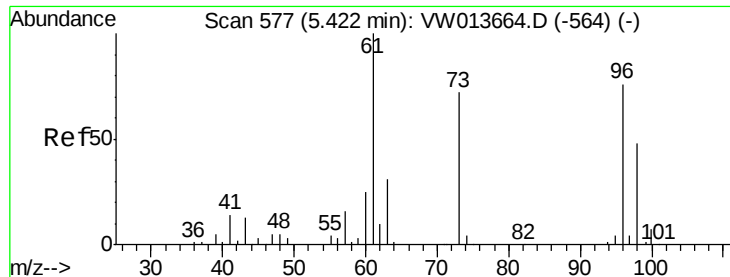
MMDadoda
10/24/2019 1:25:43 PM



#20
Methylene Chloride
Concen: 20.736 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 84 Resp: 53120
Ion Ratio Lower Upper
84 100
49 116.5 91.8 137.6
51 34.2 29.8 44.6
86 62.5 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 19.733 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 96 Resp: 49169

Ion Ratio Lower Upper

96 100

61 127.5 104.8 157.2

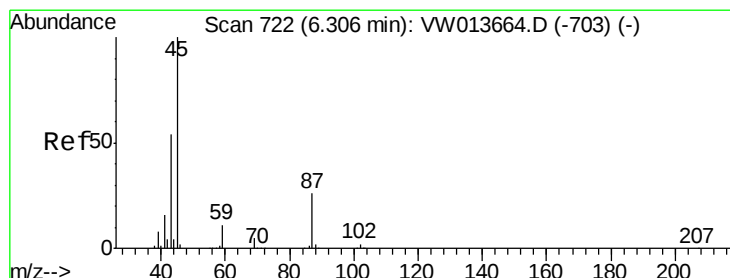
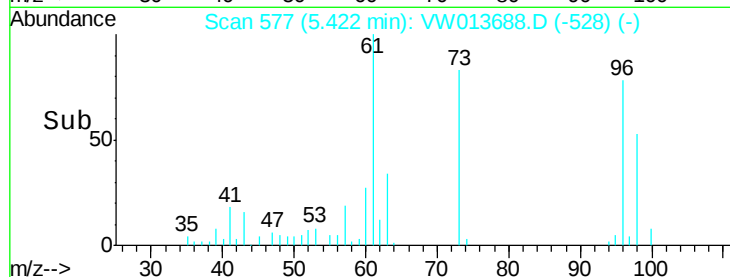
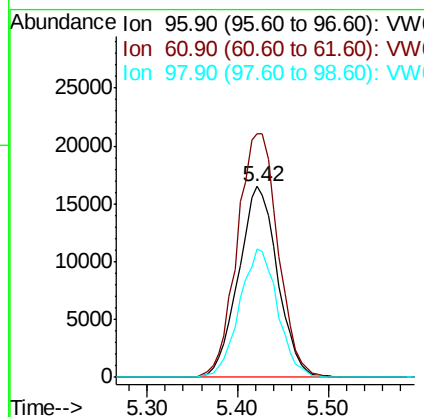
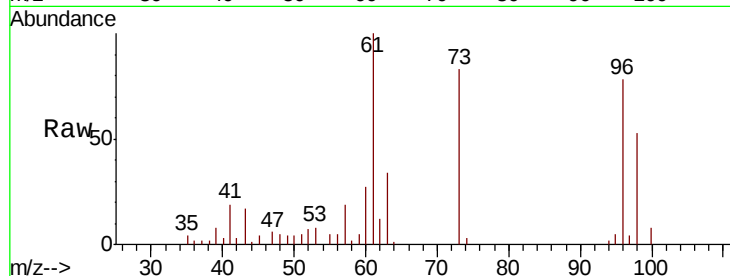
98 67.6 50.6 76.0

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:25:43 PM



#22

Diisopropyl ether

Concen: 20.447 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Tgt Ion: 45 Resp: 132768

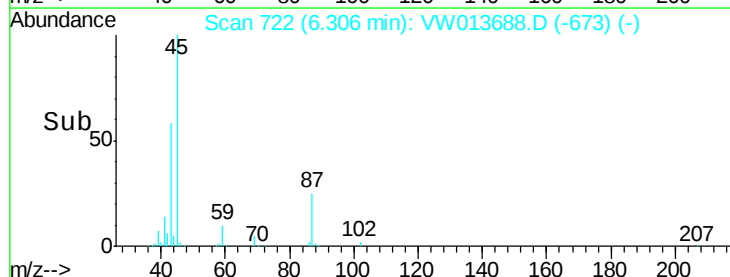
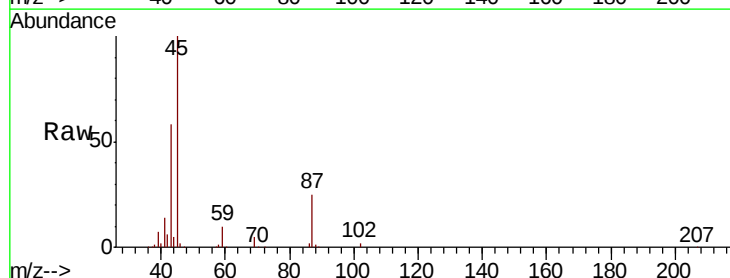
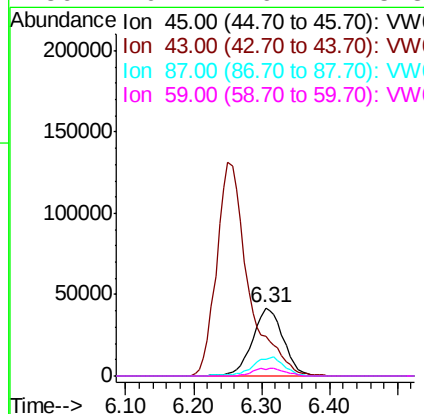
Ion Ratio Lower Upper

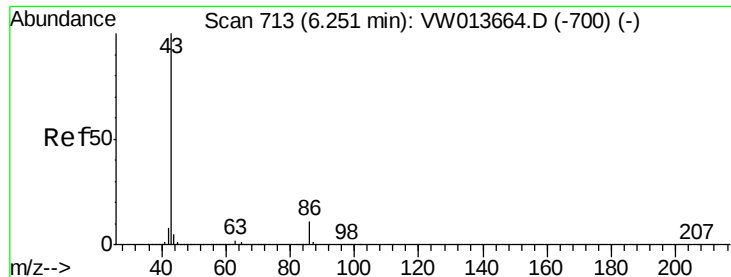
45 100

43 57.8 43.4 65.2

87 24.9 21.5 32.3

59 10.1 9.2 13.8





#23

Vinyl Acetate

Concen: 112.827 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 43 Resp: 425098

Ion Ratio Lower Upper

43 100

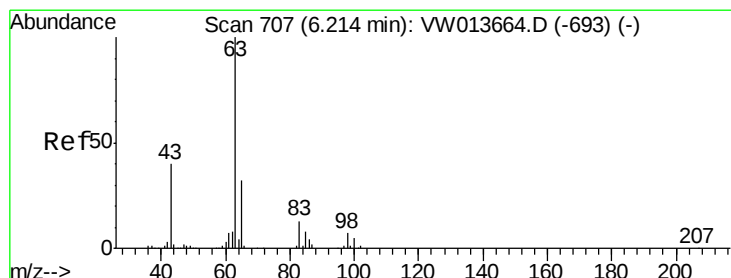
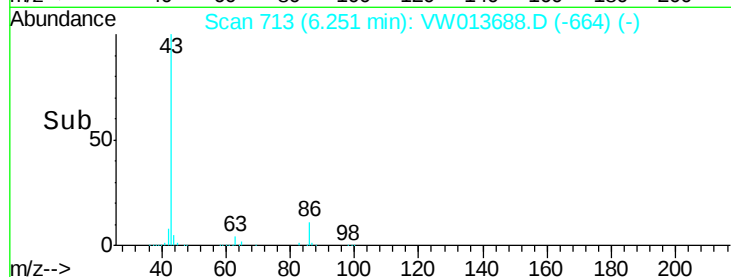
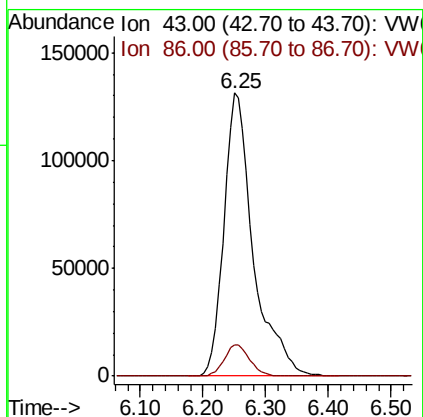
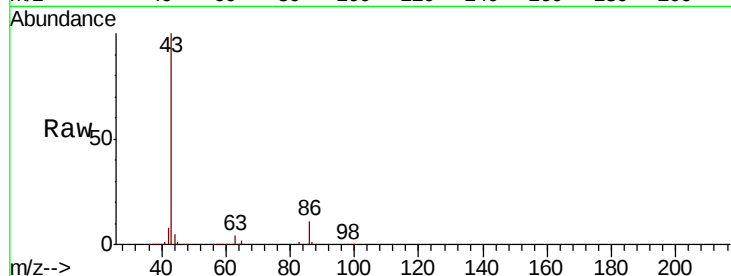
86 11.0 9.0 13.6

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:25:43 PM



#24

1,1-Dichloroethane

Concen: 20.087 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

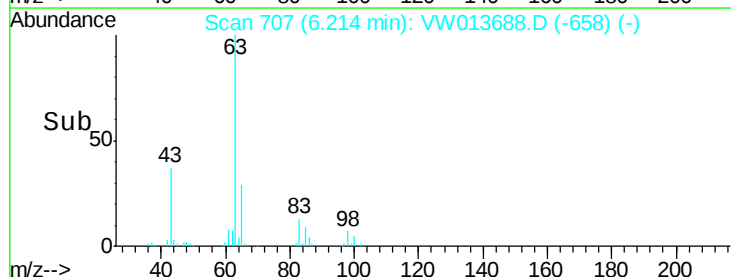
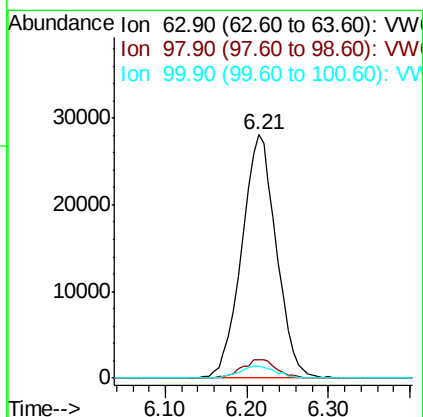
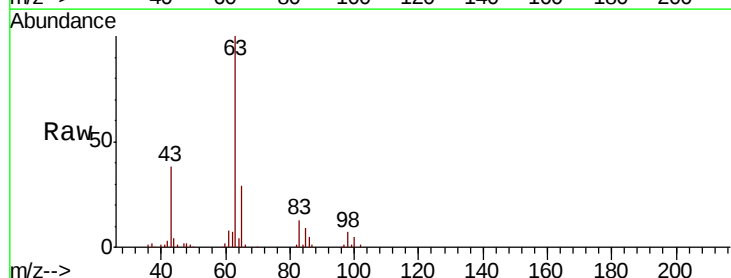
Tgt Ion: 63 Resp: 82607

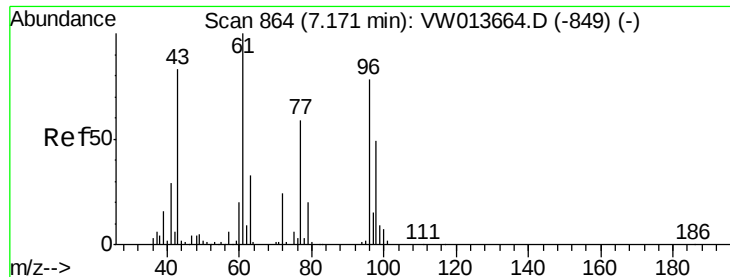
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.9 2.5 7.4





#25

2-Butanone

Concen: 140.351 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 43 Resp: 82847

Ion Ratio Lower Upper

43 100

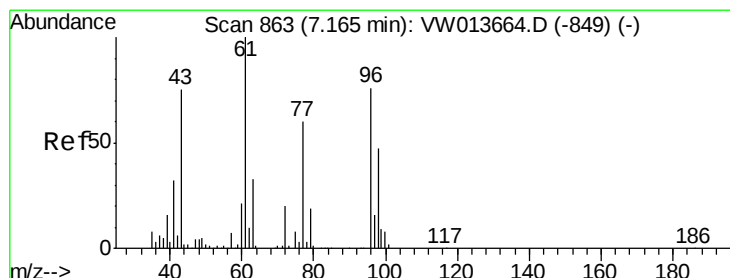
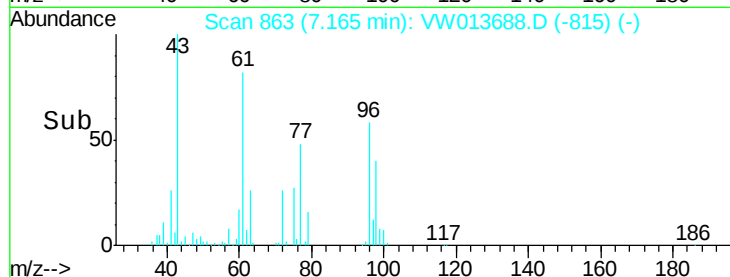
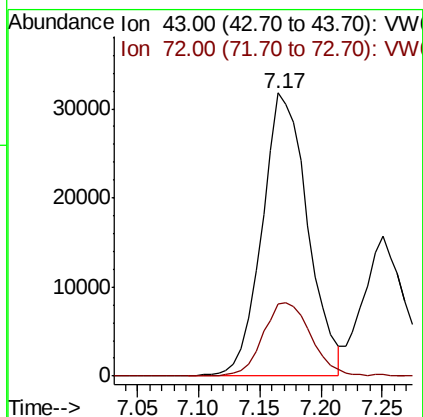
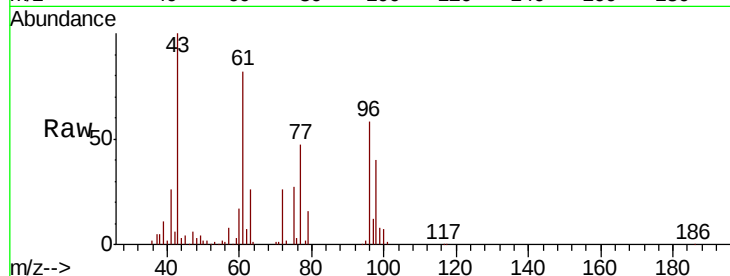
72 25.7 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:25:43 PM



#26

2,2-Dichloropropane

Concen: 19.663 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013688.D

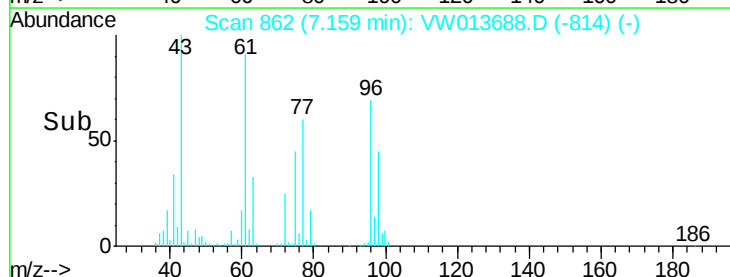
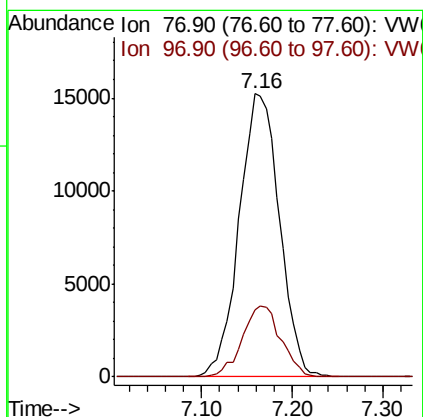
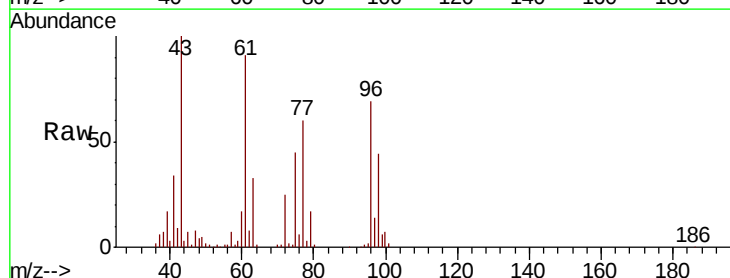
Acq: 24 Oct 2019 01:46

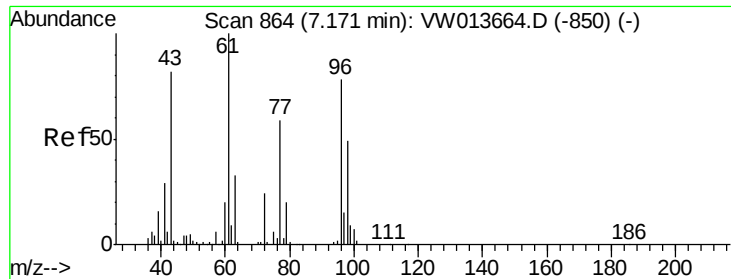
Tgt Ion: 77 Resp: 46759

Ion Ratio Lower Upper

77 100

97 24.1 12.8 38.4





#27

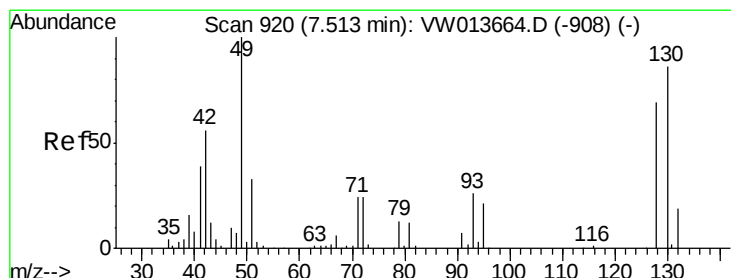
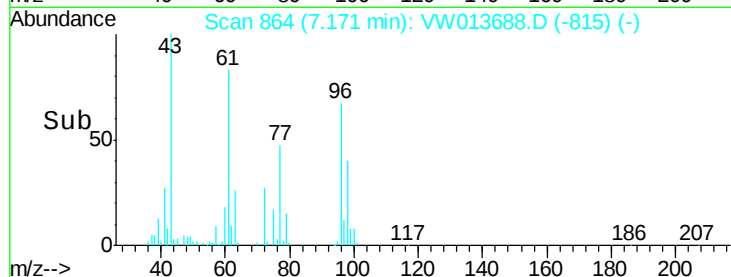
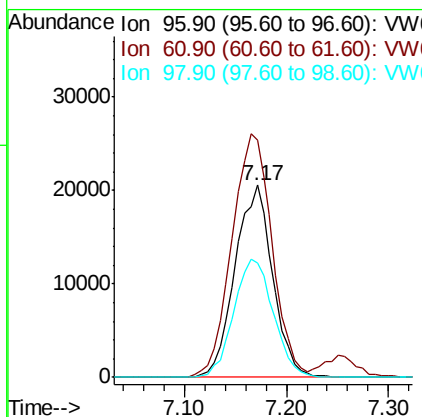
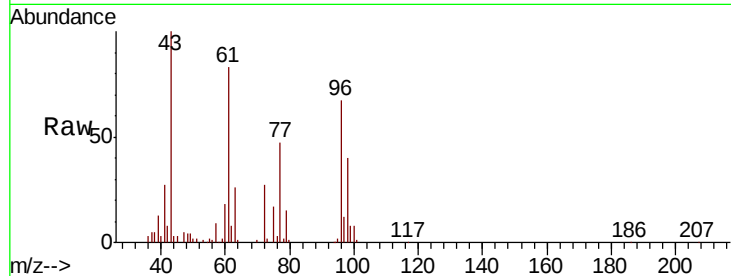
cis-1,2-Dichloroethene
Concen: 19.843 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	266.0
98	64.5	0.0	126.8

Manual Integrations
APPROVED

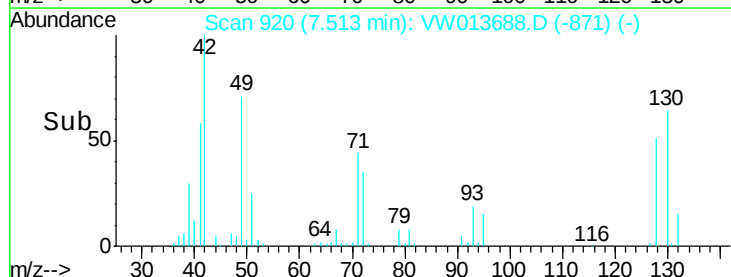
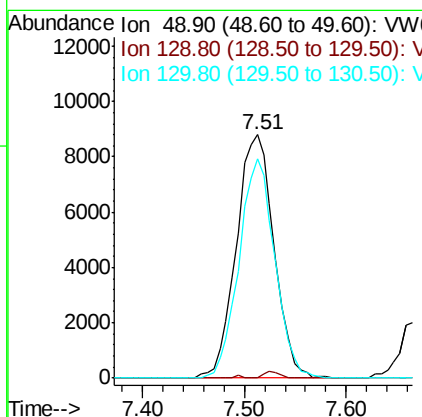
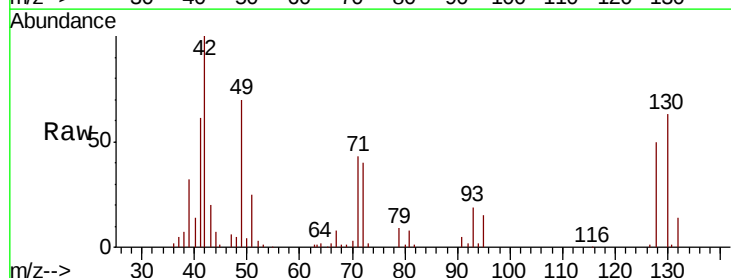
MMDadoda
10/24/2019 1:25:43 PM

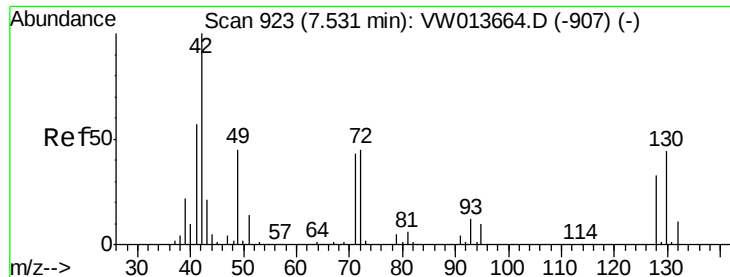


#28

Bromochloromethane
Concen: 16.308 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	0.6#
130	85.8	67.5	101.3





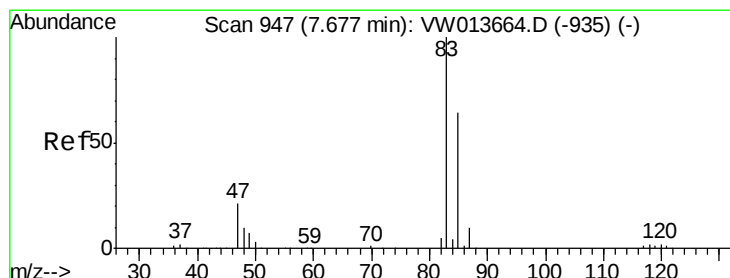
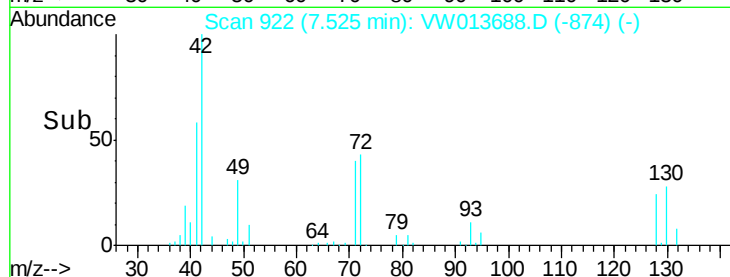
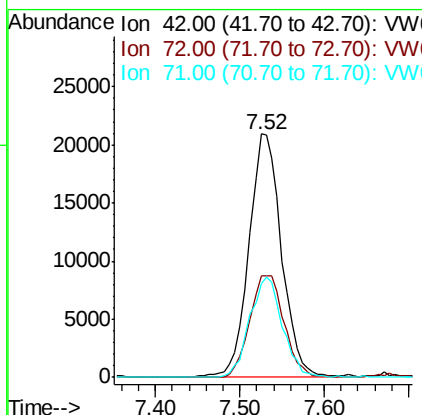
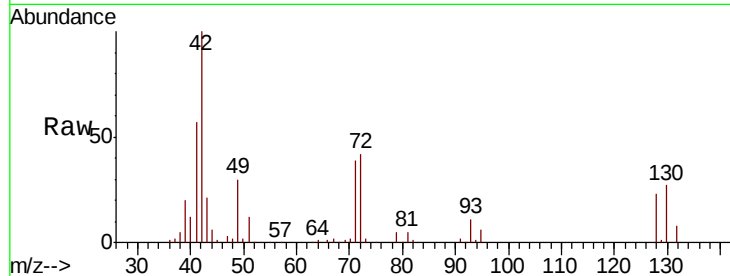
#29
Tetrahydrofuran
Concen: 150.673 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.3	52.9
71	41.5	33.3	49.9

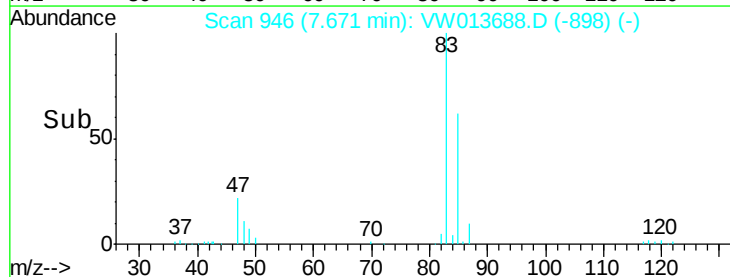
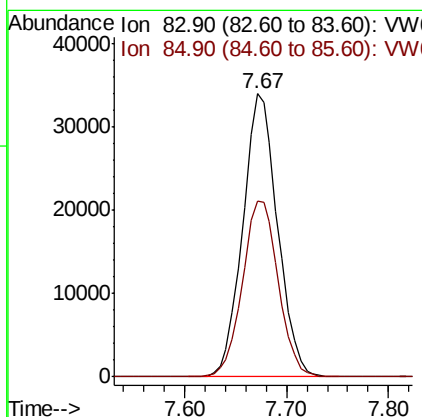
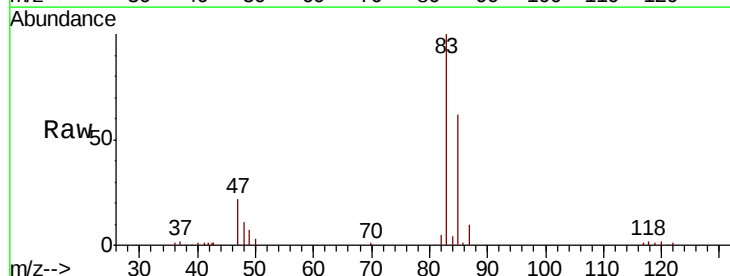
Manual Integrations
APPROVED

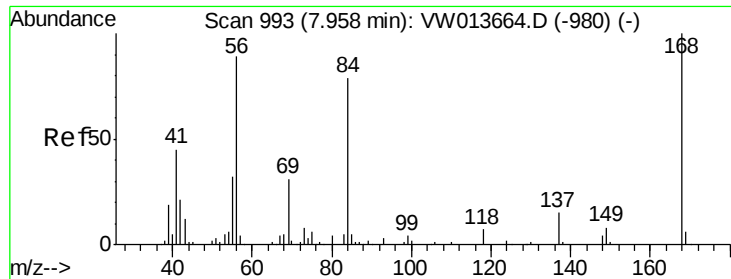
MMDadoda
10/24/2019 1:25:43 PM



#30
Chloroform
Concen: 19.806 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.2





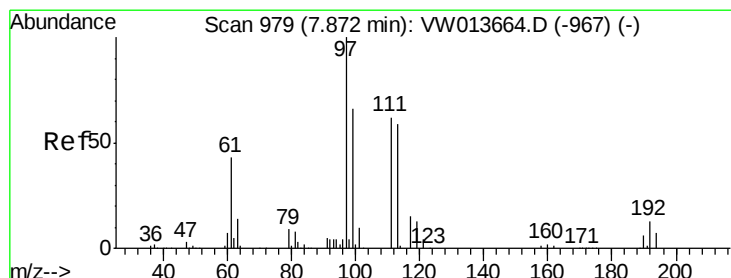
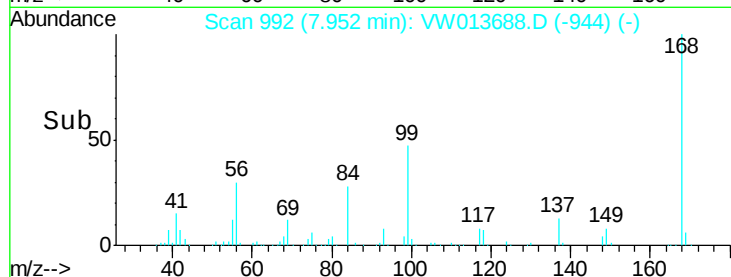
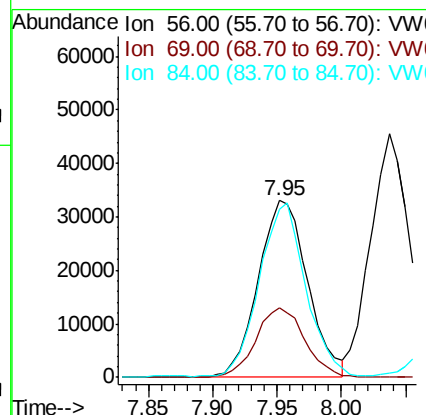
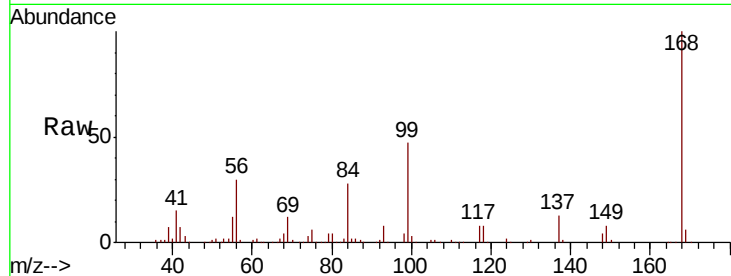
#31
Cyclohexane
Concen: 20.418 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	27.5	41.3
84	94.8	70.8	106.2

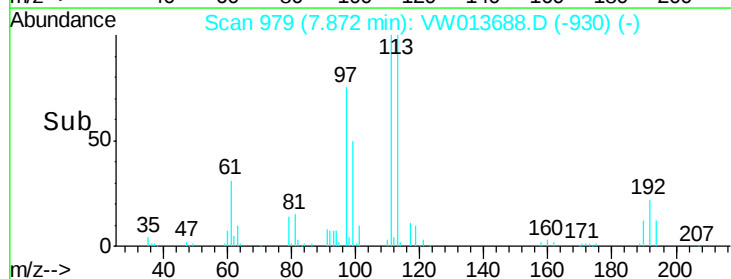
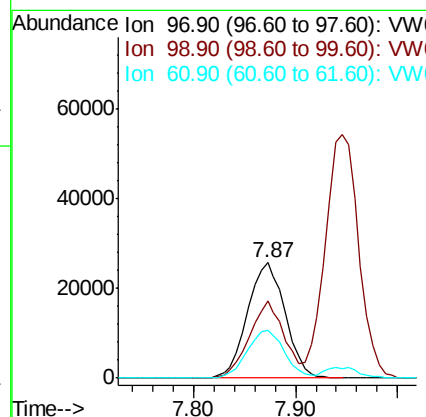
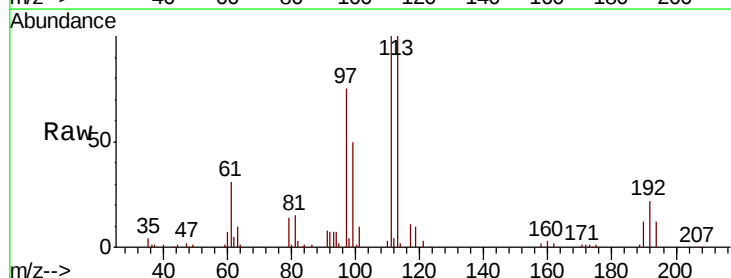
Manual Integrations
APPROVED

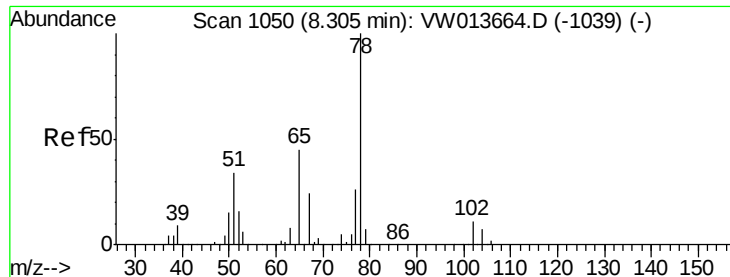
MMDadoda
10/24/2019 1:25:43 PM



#32
1,1,1-Trichloroethane
Concen: 20.613 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	52.0	78.0
61	41.4	33.8	50.6





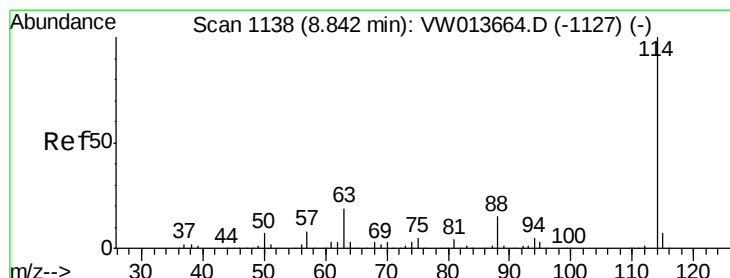
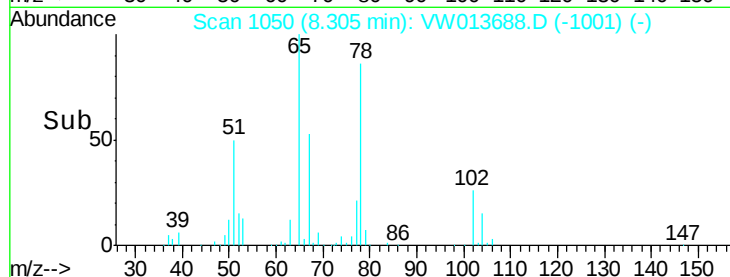
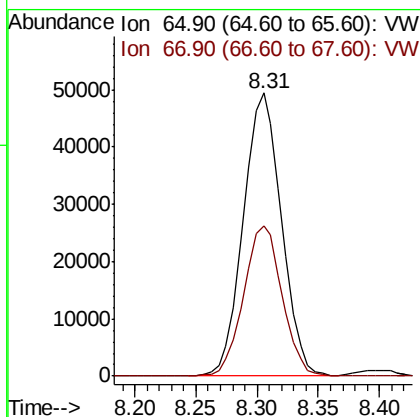
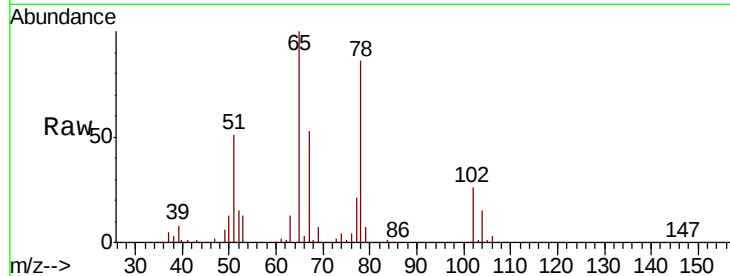
#33
 1,2-Dichloroethane-d4
 Concen: 55.380 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	109.4	

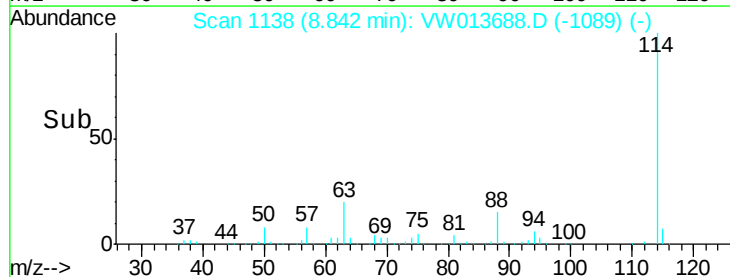
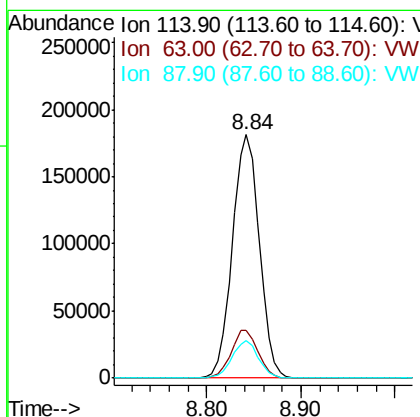
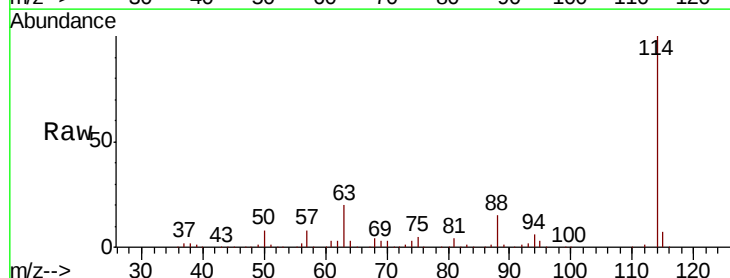
Manual Integrations
 APPROVED

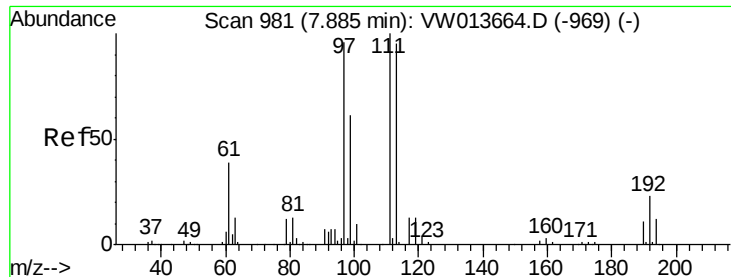
MMDadoda
 10/24/2019 1:25:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	37.6	
88	15.3	0.0	30.2	





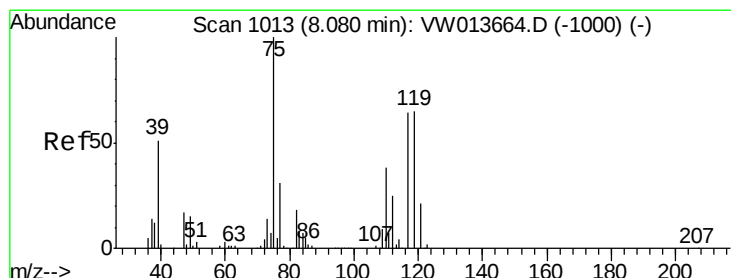
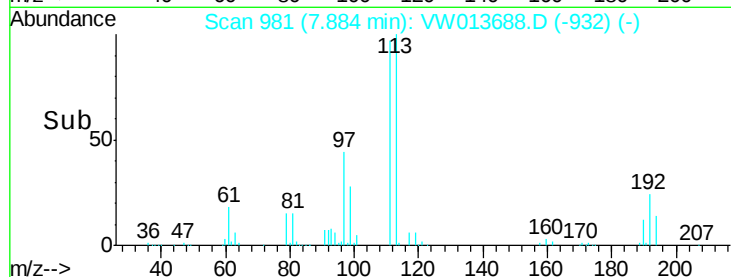
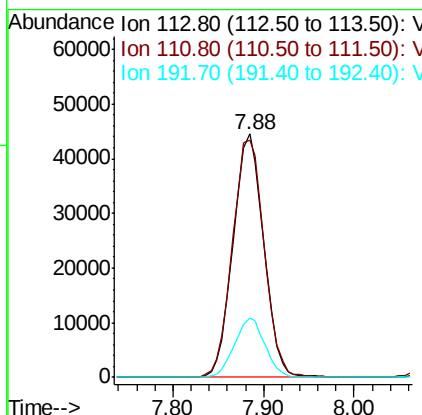
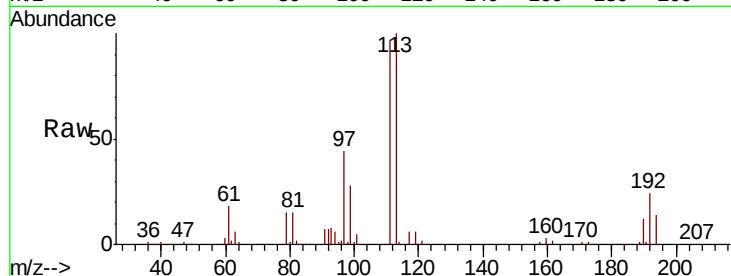
#35
 Dibromofluoromethane
 Concen: 52.071 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	83.0	124.6	
192	23.9	19.4	29.2	

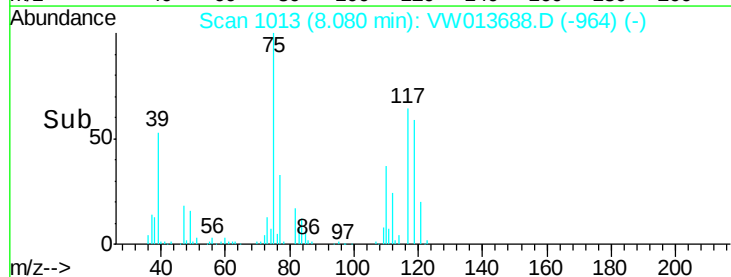
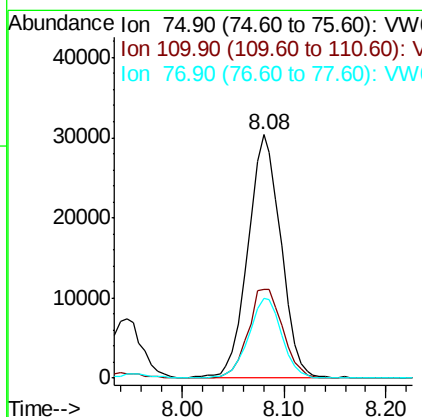
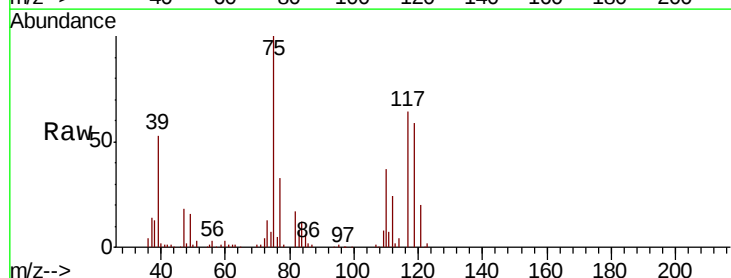
Manual Integrations
 APPROVED

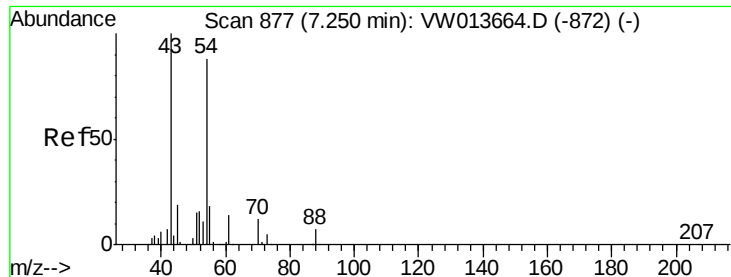
MMDadoda
 10/24/2019 1:25:43 PM



#36
 1,1-Dichloropropene
 Concen: 20.360 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.5	18.7	56.1	
77	33.1	25.4	38.0	





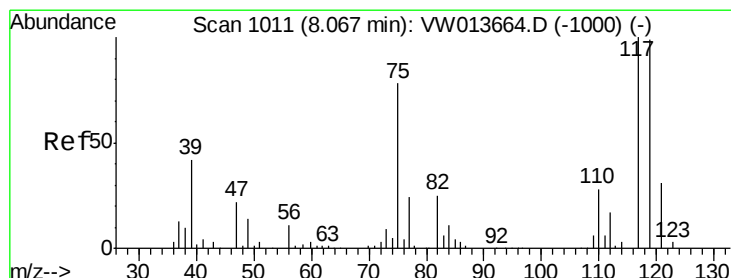
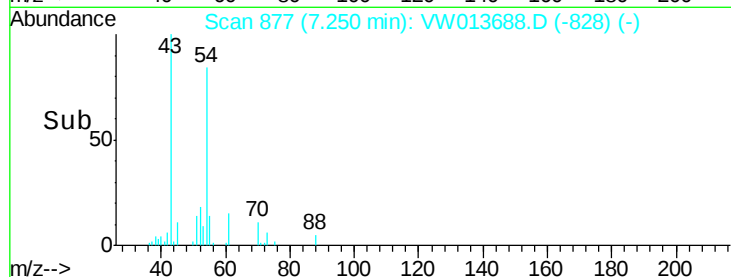
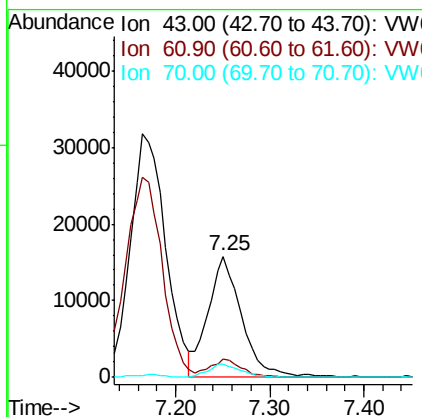
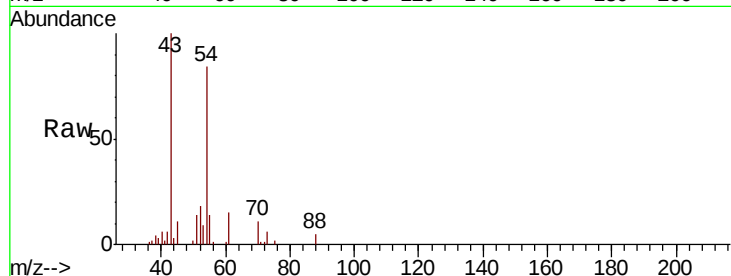
#37
Ethyl Acetate
Concen: 30.386 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.7	17.5
70	10.8	8.8	13.2

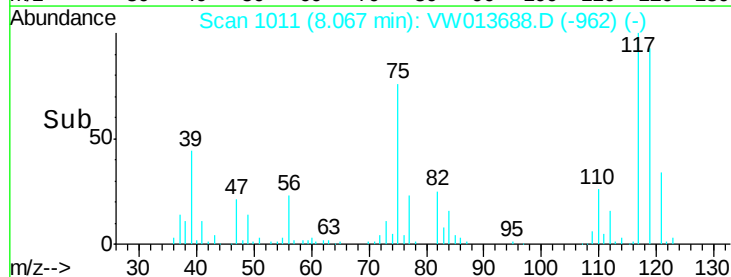
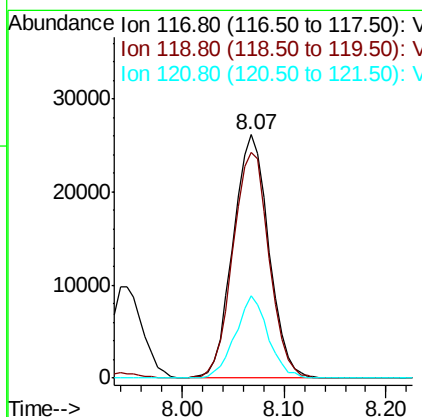
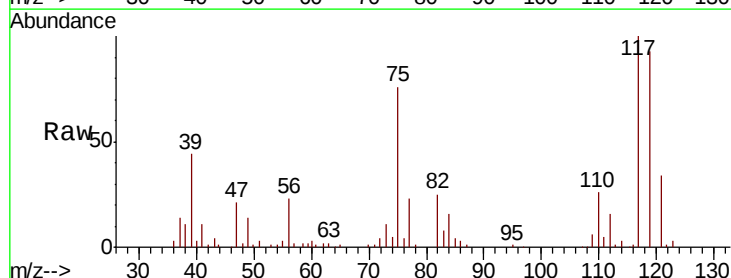
Manual Integrations
APPROVED

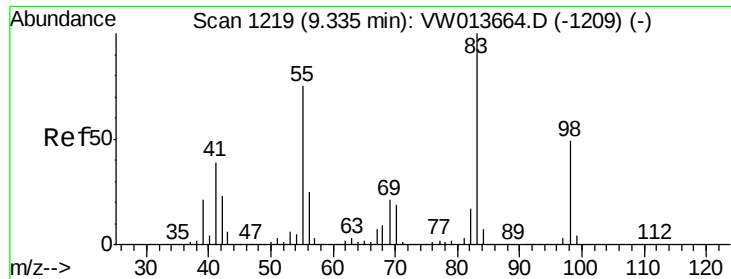
MMDadoda
10/24/2019 1:25:43 PM



#38
Carbon Tetrachloride
Concen: 21.006 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	79.0	118.4
121	34.0	24.5	36.7





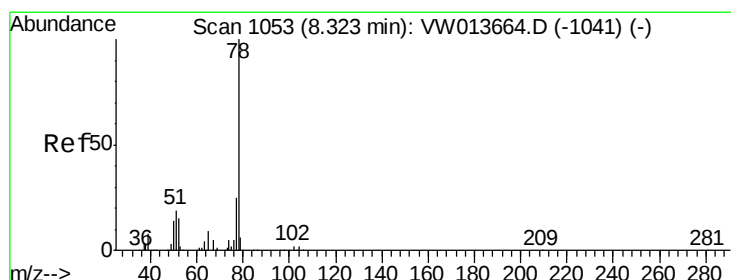
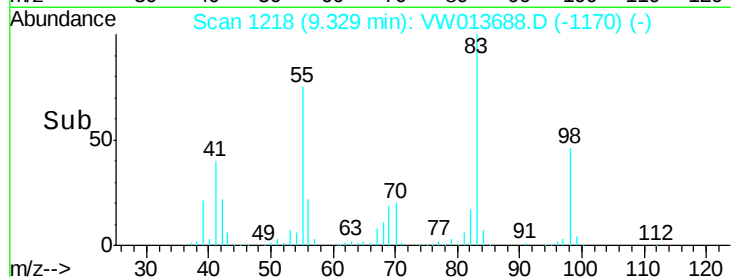
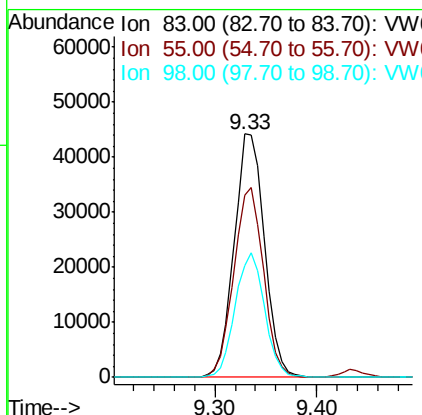
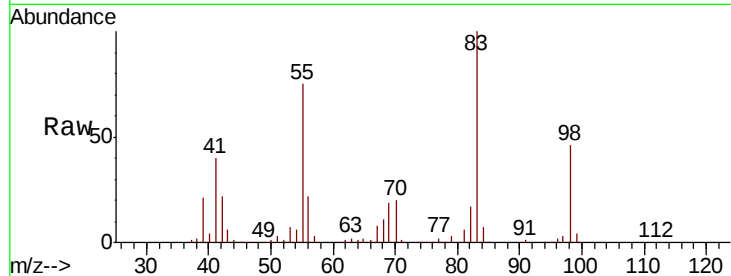
#39
Methvlcvclohexane
Concen: 20.994 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	59.9	89.9
98	46.0	39.4	59.2

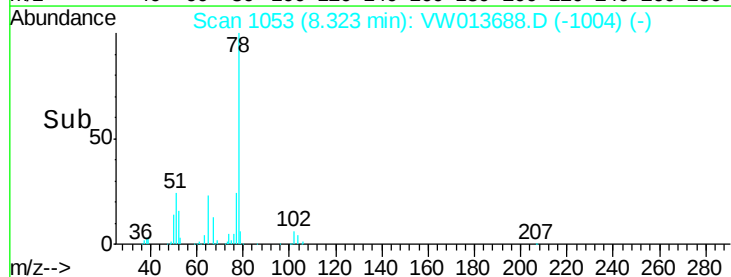
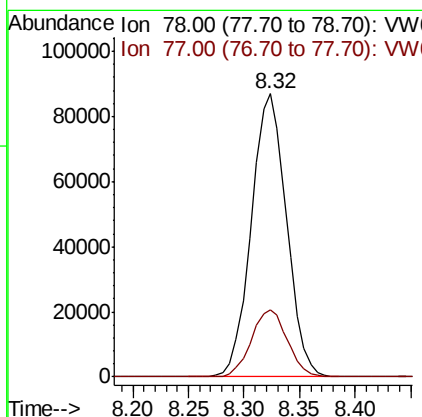
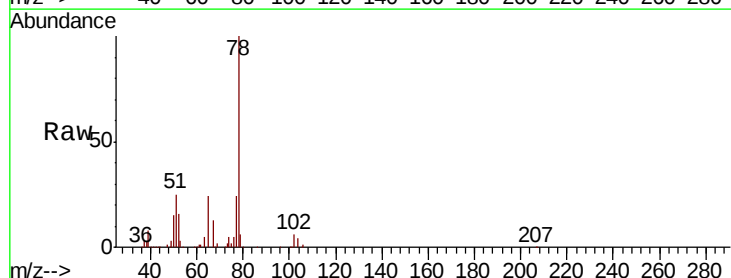
Manual Integrations
APPROVED

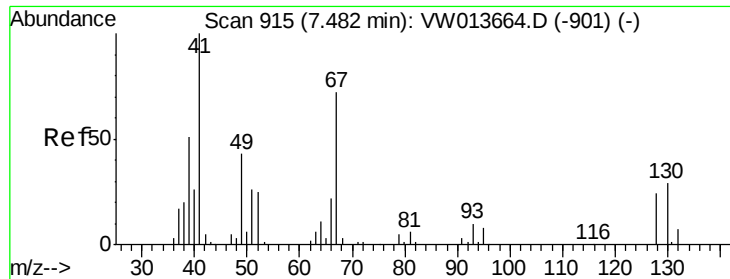
MMDadoda
10/24/2019 1:25:43 PM



#40
Benzene
Concen: 20.168 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4





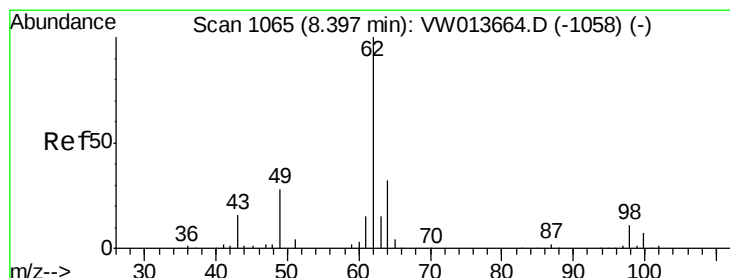
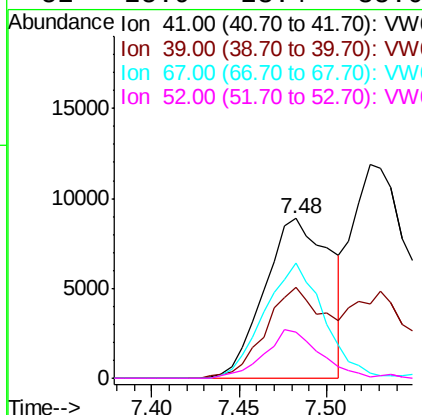
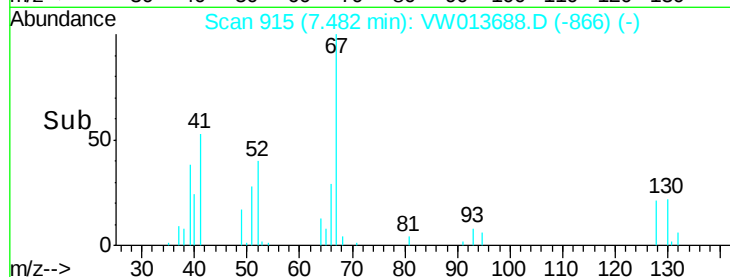
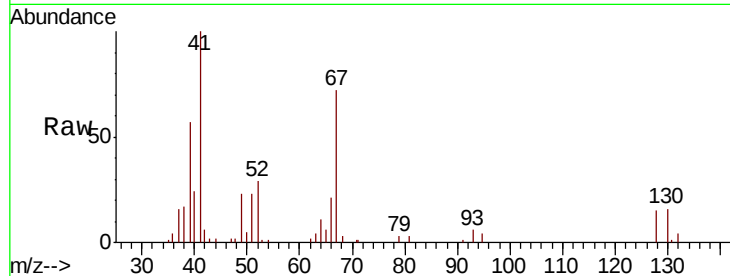
#41
Methacrylonitrile
Concen: 29.201 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		23394		
39	52.7	44.8	67.2		
67	65.8	59.3	88.9		
52	25.9	23.4	35.0		

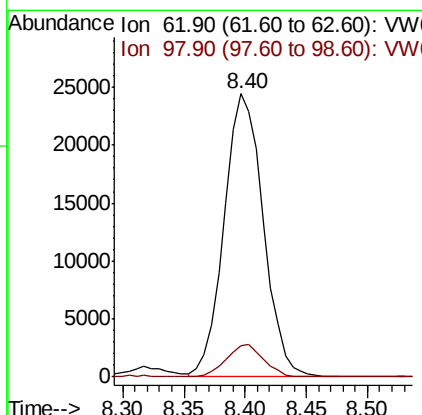
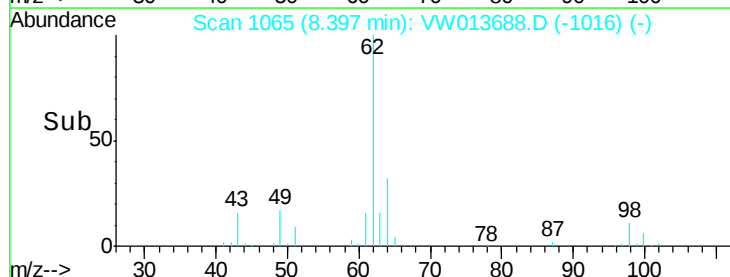
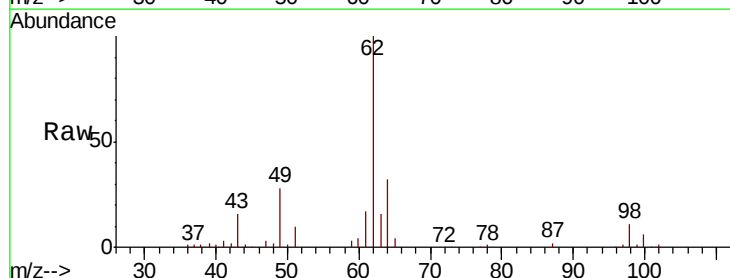
Manual Integrations
APPROVED

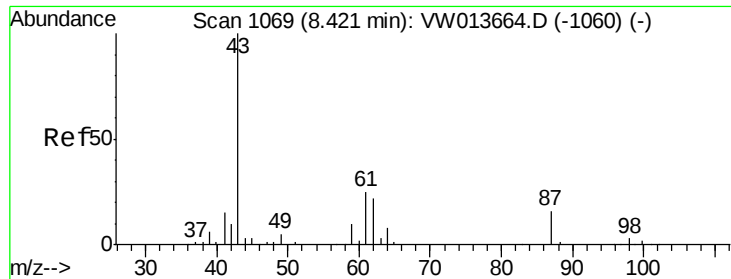
MMDadoda
10/24/2019 1:25:43 PM



#42
1,2-Dichloroethane
Concen: 22.613 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		54121		
98	11.0	0.0	22.4		





#43

Isopropyl Acetate

Concen: 26.253 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

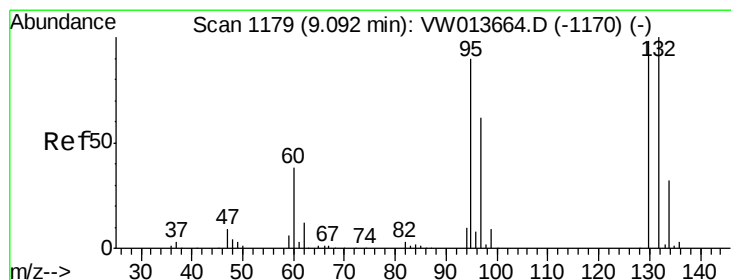
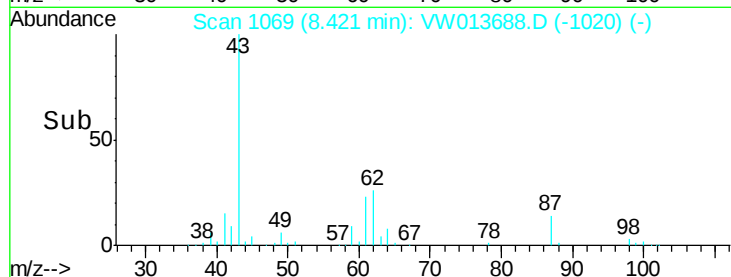
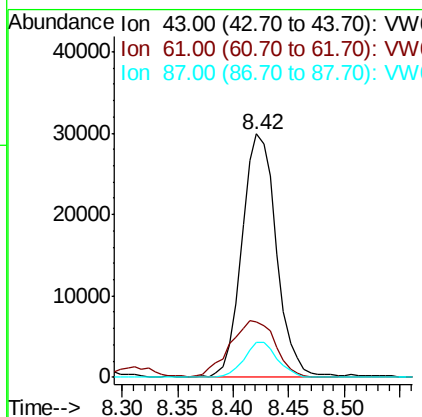
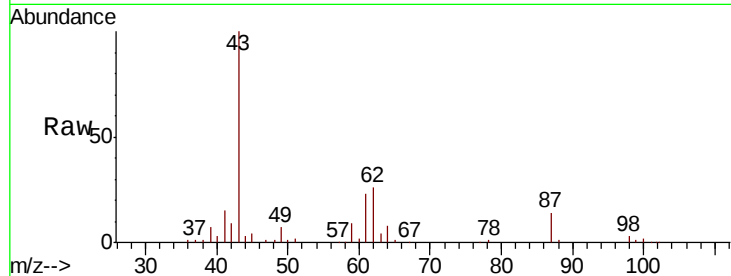
ClientSampleId :

VW1023SBS02

Tot Ion:	43	Resp:	64559
Ion	Ratio	Lower	Upper
43	100		
61	30.8	26.1	39.1
87	14.0	11.4	17.0

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:25:43 PM



#44

Trichloroethene

Concen: 20.021 ug/l

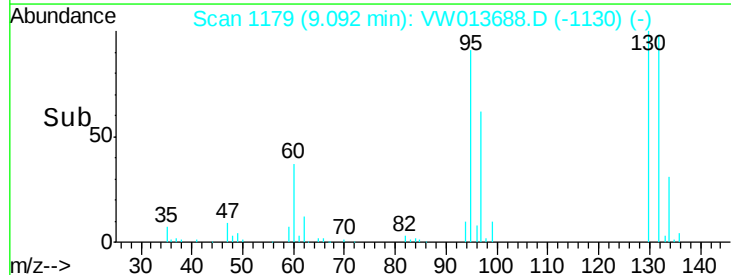
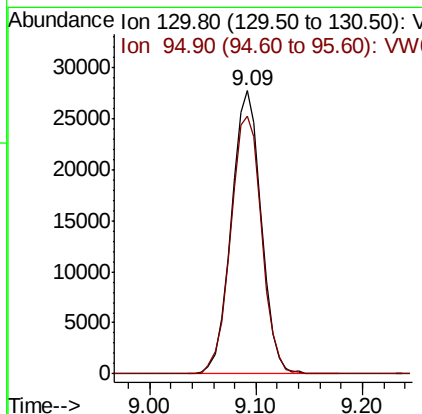
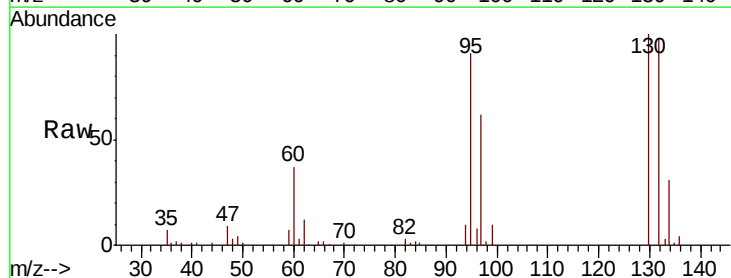
RT: 9.09 min Scan# 1179

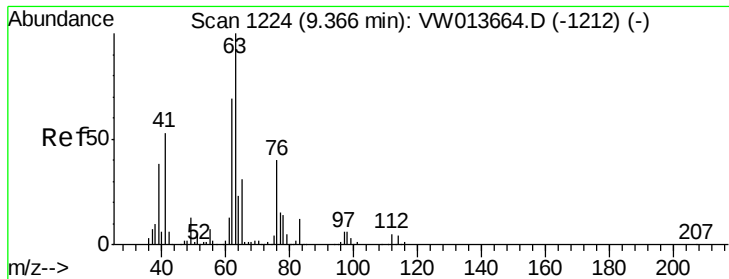
Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Tgt Ion:	130	Resp:	54471
Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	184.6





#45

1,2-Dichloropropane

Concen: 20.255 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 63 Resp: 45951

Ion Ratio Lower Upper

63 100

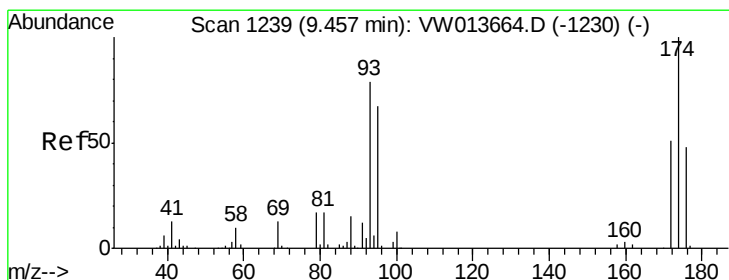
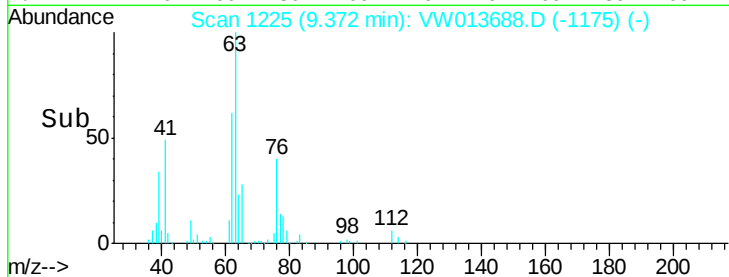
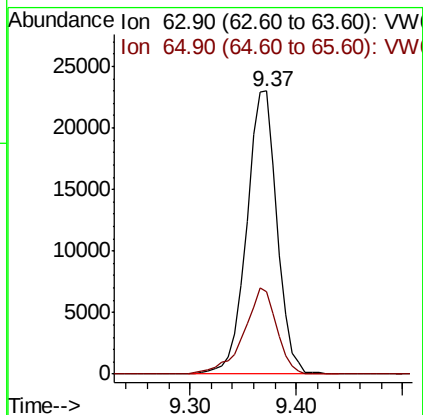
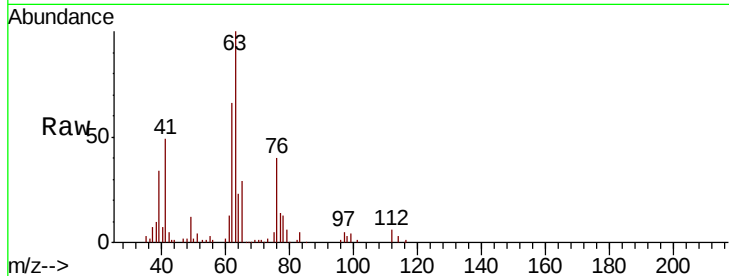
65 28.9 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:25:43 PM



#46

Dibromomethane

Concen: 22.944 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

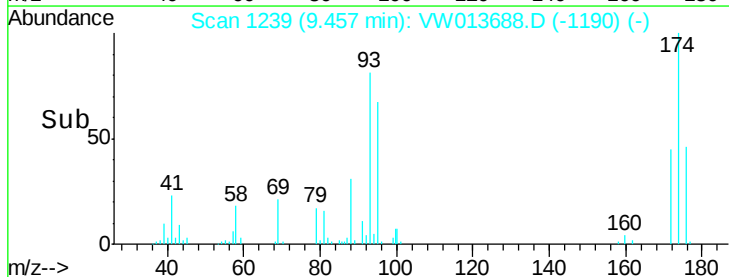
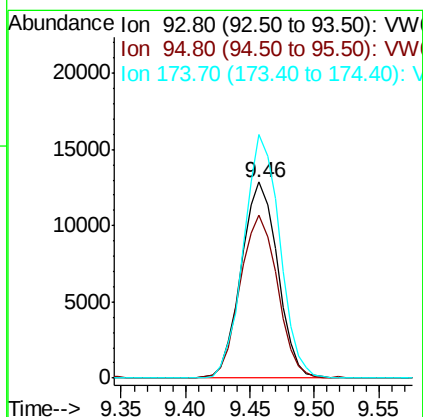
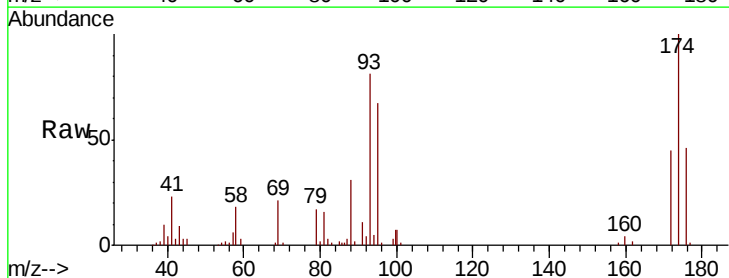
Tgt Ion: 93 Resp: 25264

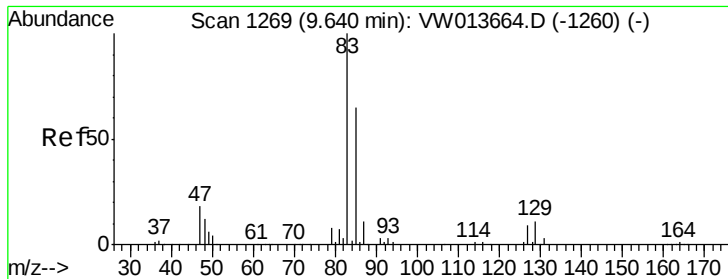
Ion Ratio Lower Upper

93 100

95 85.1 66.5 99.7

174 122.2 99.6 149.4





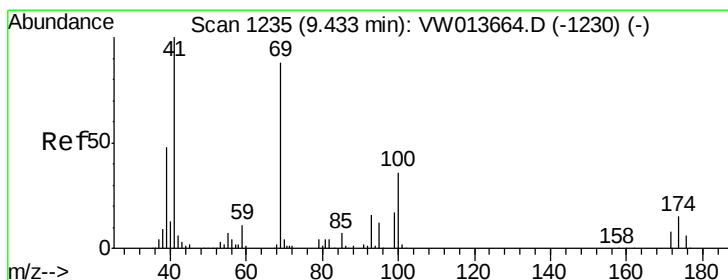
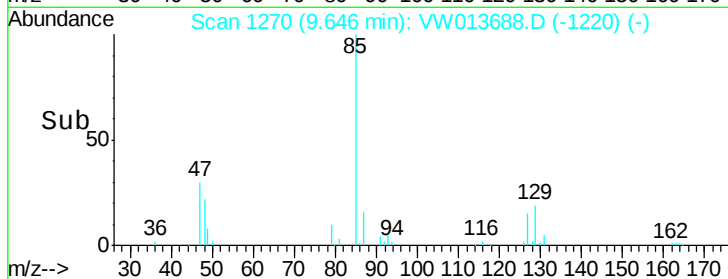
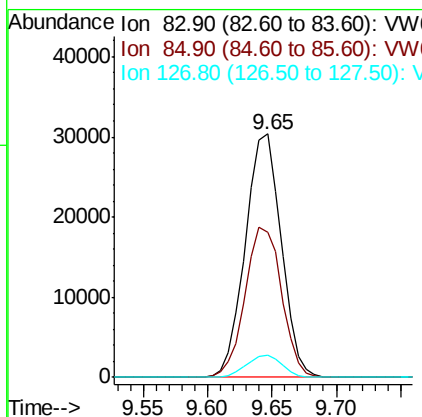
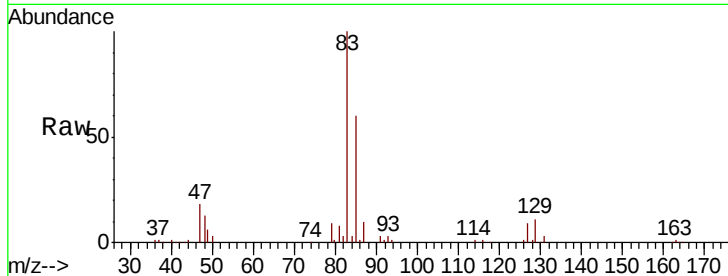
#47
Bromodichloromethane
Concen: 20.565 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	83	Resp	58589
Ion Ratio	100	Lower	Upper
83	100		
85	59.6	51.8	77.6
127	8.9	7.3	10.9

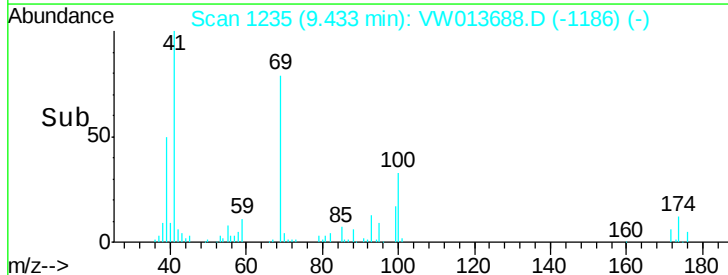
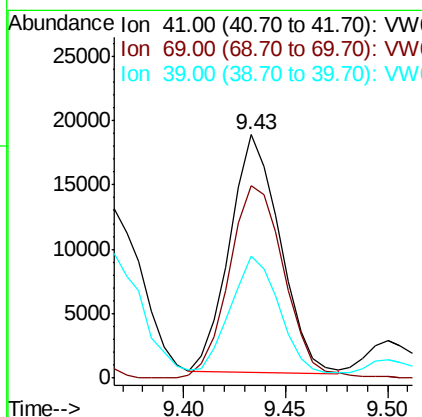
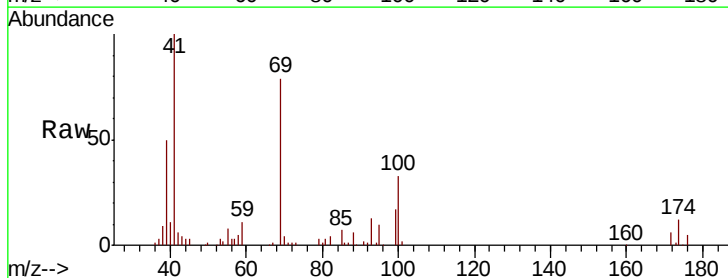
Manual Integrations
APPROVED

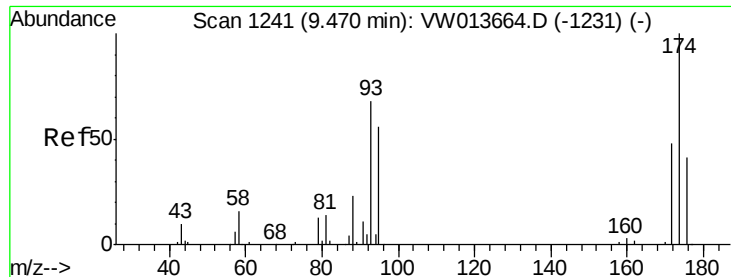
MMDadoda
10/24/2019 1:25:43 PM



#48
Methyl methacrylate
Concen: 25.871 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	41	Resp	31549
Ion Ratio	100	Lower	Upper
41	100		
69	89.5	67.6	101.4
39	48.3	38.6	58.0





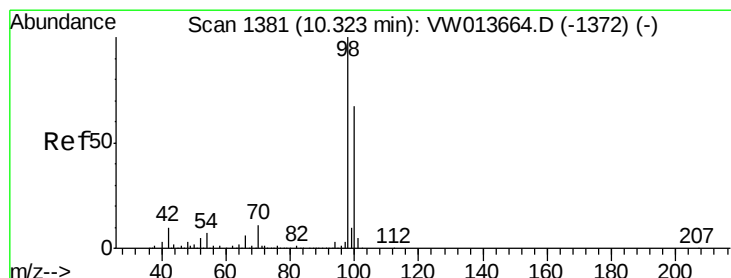
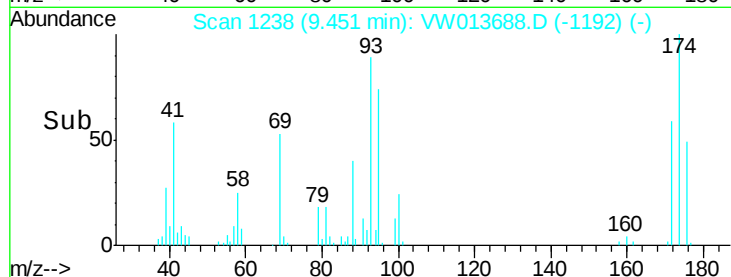
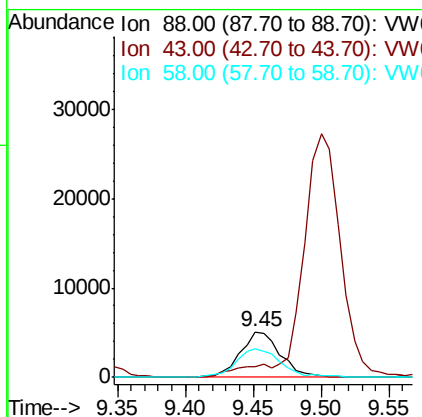
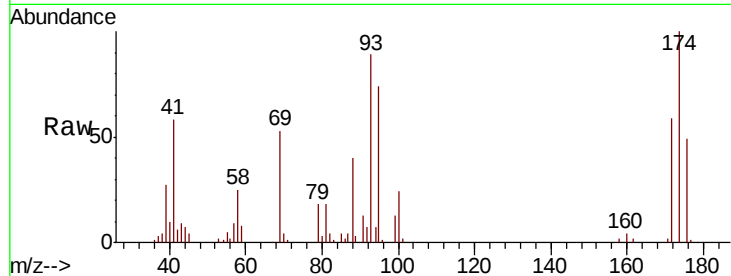
#49
1,4-Dioxane
Concen: 640.040 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.8	58.9	88.3

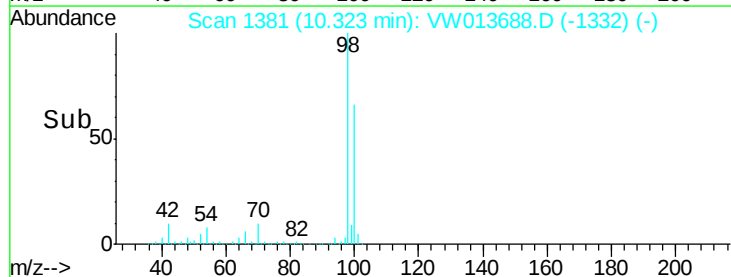
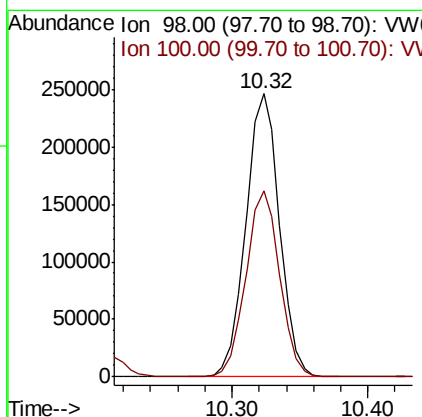
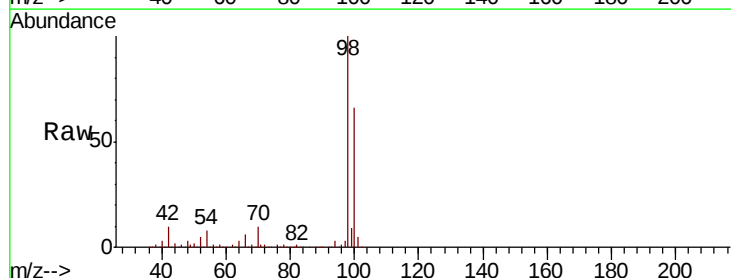
Manual Integrations
APPROVED

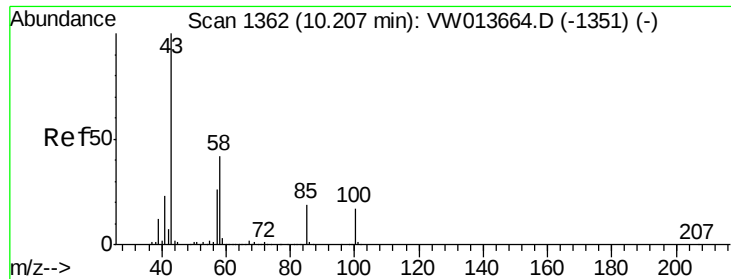
MMDadoda
10/24/2019 1:25:43 PM



#50
Toluene-d8
Concen: 52.227 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 142.033 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampled :

VW1023SBS02

Tot Ion: 43 Resp: 173562

Ion Ratio Lower Upper

43 100

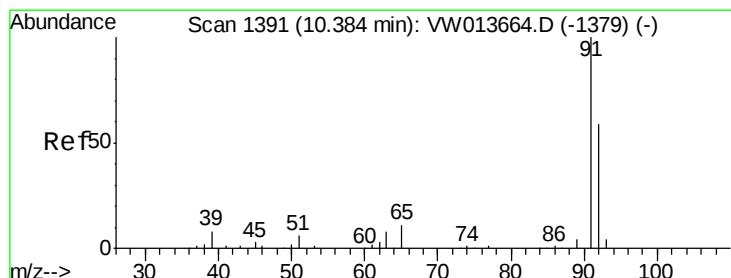
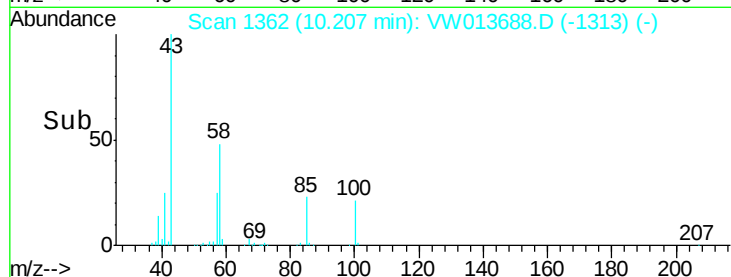
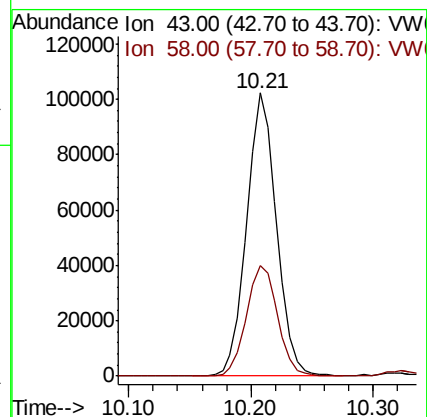
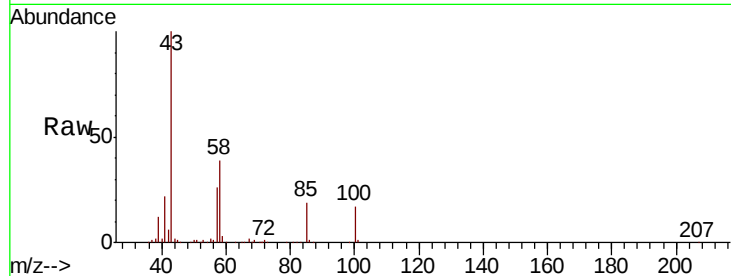
58 40.9 32.6 49.0

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:25:43 PM



#52

Toluene

Concen: 20.106 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013688.D

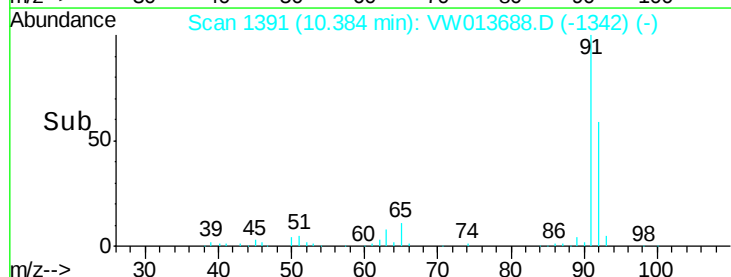
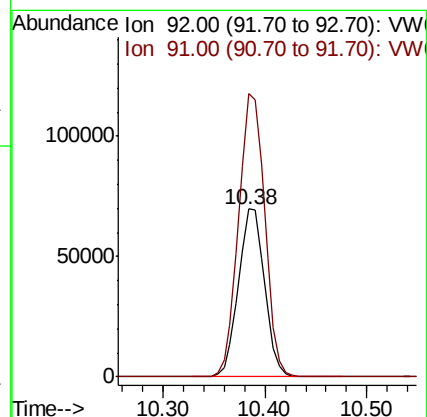
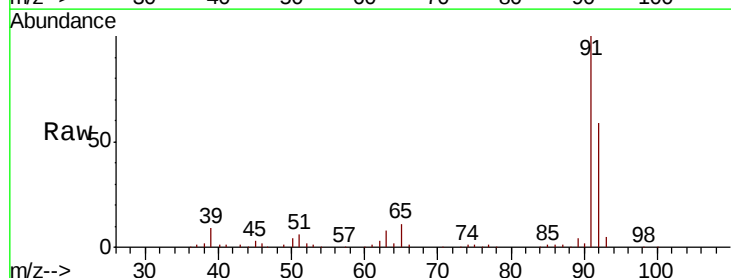
Acq: 24 Oct 2019 01:46

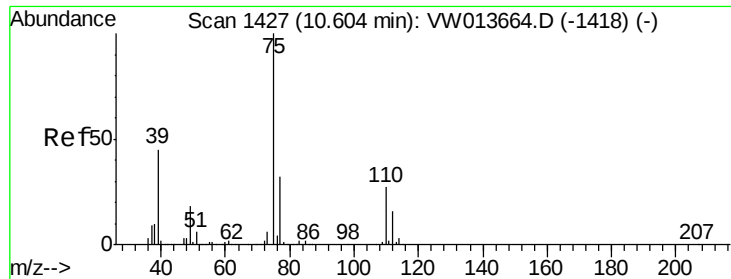
Tgt Ion: 92 Resp: 123180

Ion Ratio Lower Upper

92 100

91 169.6 134.5 201.7





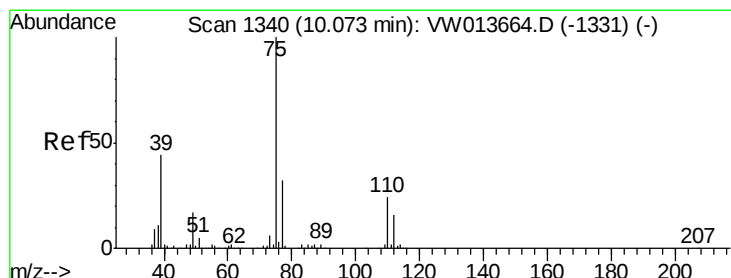
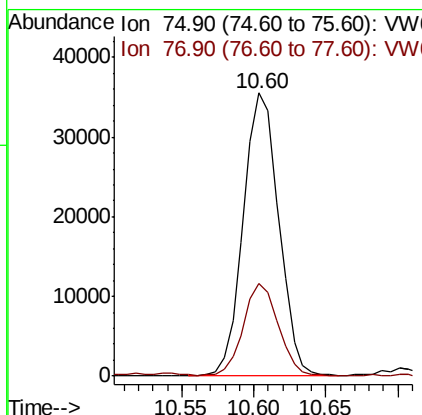
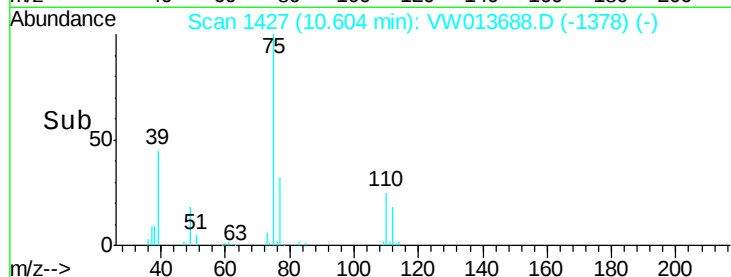
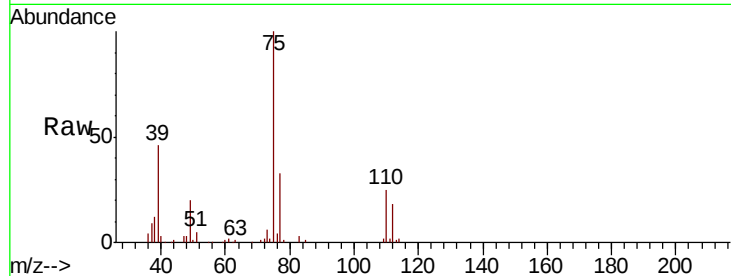
#53
t-1,3-Dichloropropene
Concen: 21.023 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3

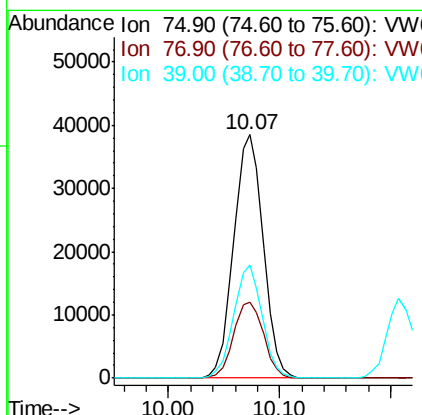
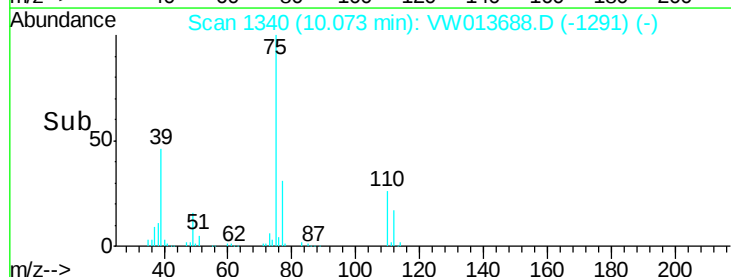
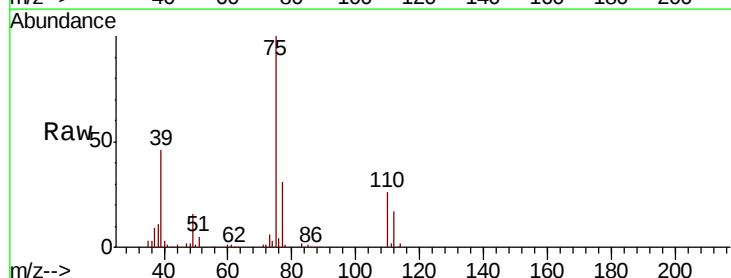
Manual Integrations
APPROVED

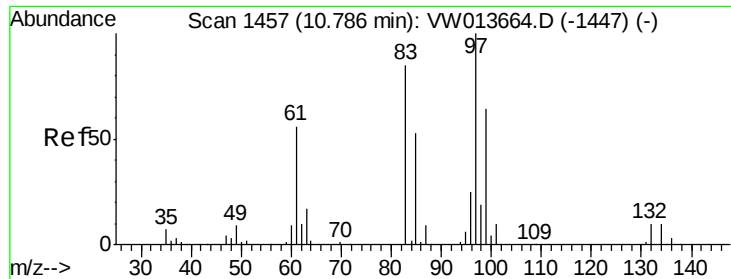
MMDadoda
10/24/2019 1:25:43 PM



#54
cis-1,3-Dichloropropene
Concen: 19.881 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.6
39	46.4	35.3	52.9





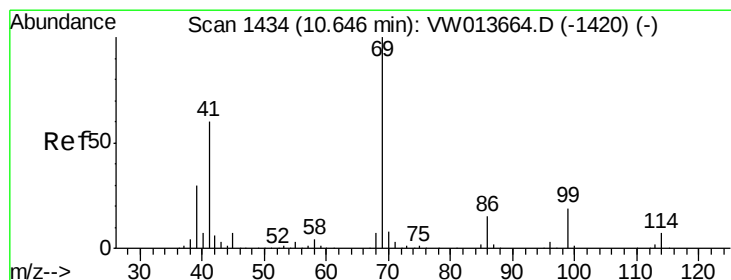
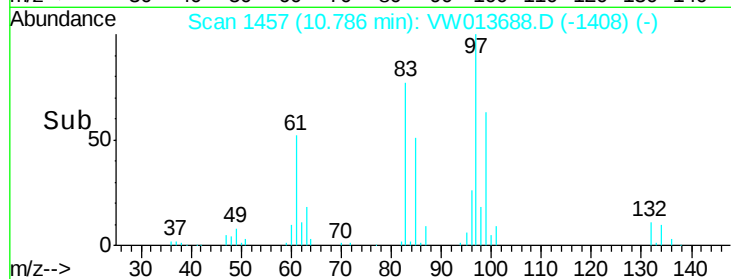
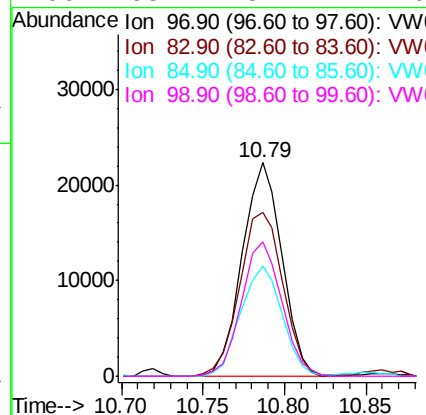
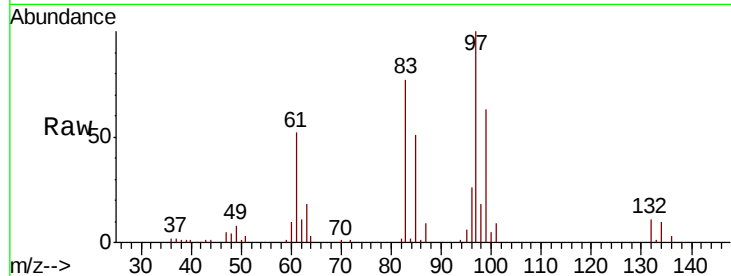
#55
 1,1,2-Trichloroethane
 Concen: 23.125 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion:	97	Resp:	37948
Ion	Ratio	Lower	Upper
97	100		
83	76.8	67.8	101.8
85	51.2	42.1	63.1
99	63.2	51.4	77.0

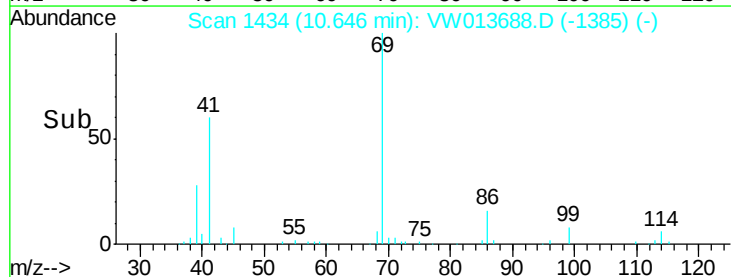
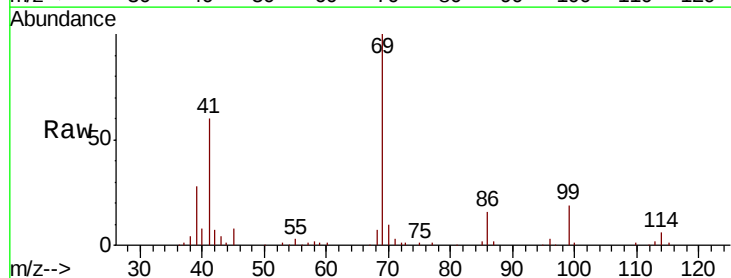
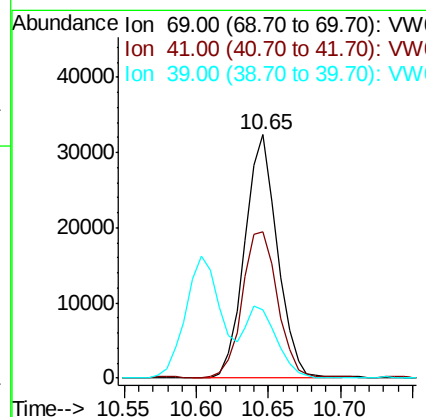
Manual Integrations
 APPROVED

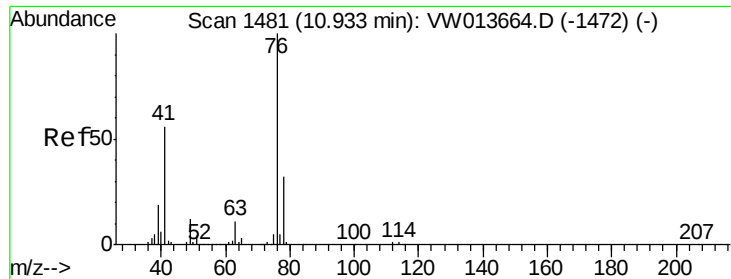
MMDadoda
 10/24/2019 1:25:43 PM



#56
 Ethyl methacrylate
 Concen: 24.728 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion:	69	Resp:	50770
Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.6	77.4
39	27.8	22.4	33.6





#57

1,3-Dichloropropane

Concen: 22.812 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 76 Resp: 64241

Ion Ratio Lower Upper

76 100

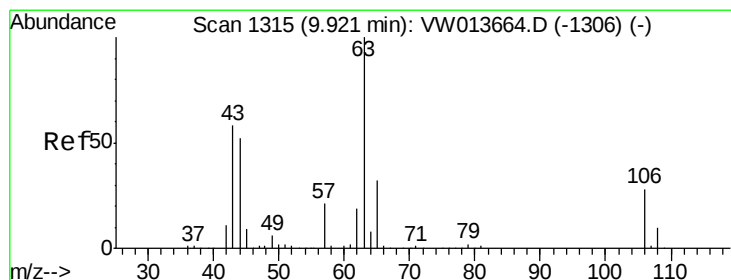
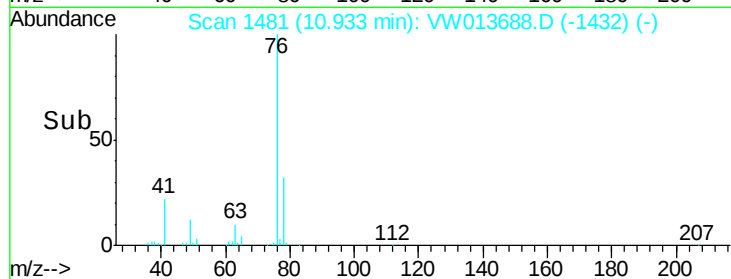
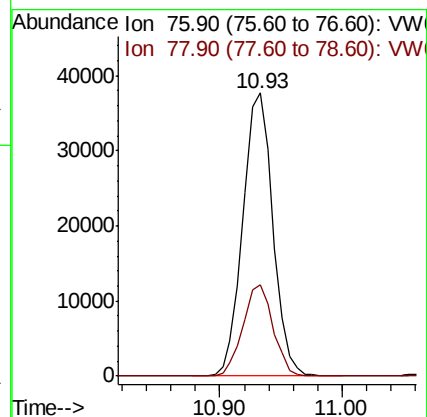
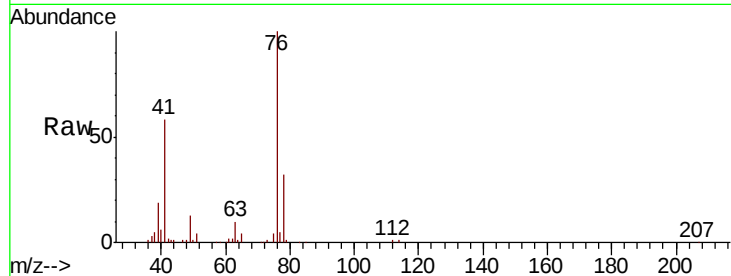
78 32.4 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:25:43 PM



#58

2-Chloroethyl Vinyl ether

Concen: 127.230 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013688.D

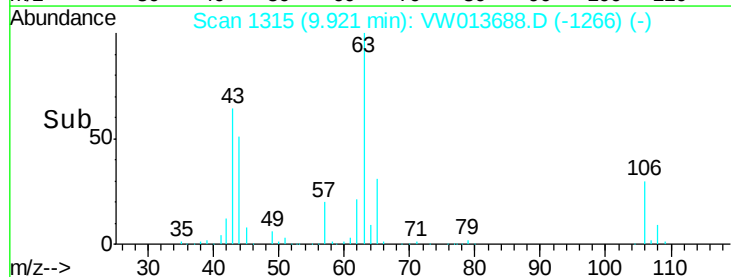
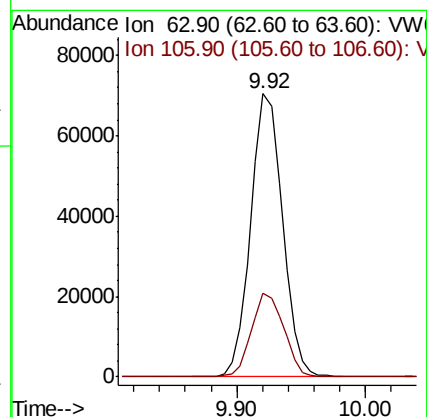
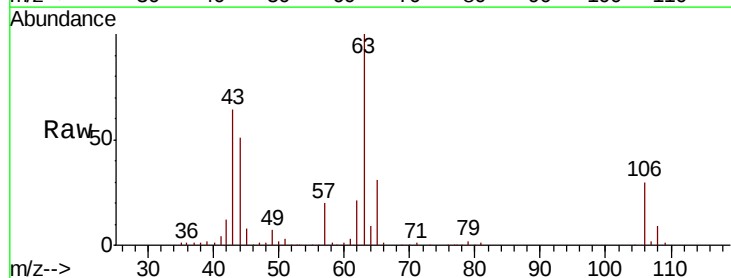
Acq: 24 Oct 2019 01:46

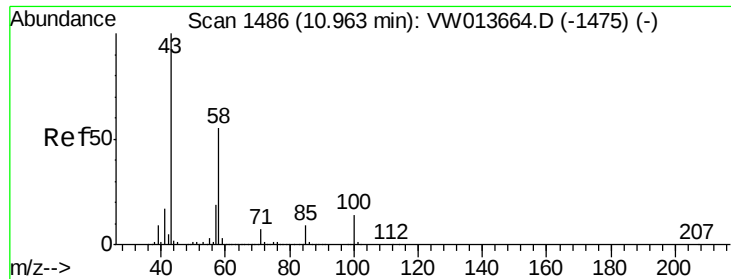
Tgt Ion: 63 Resp: 120221

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.8





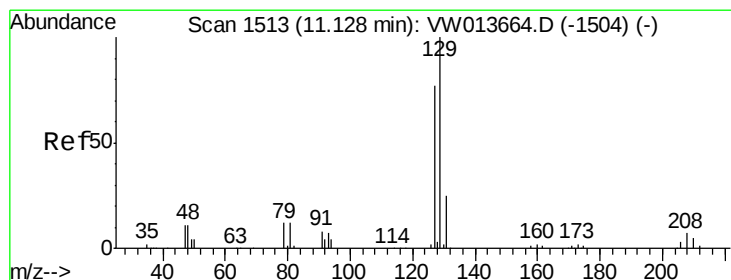
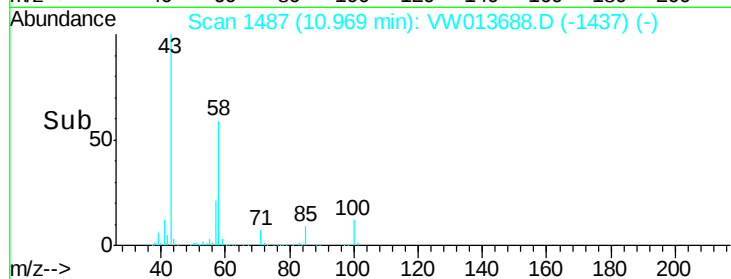
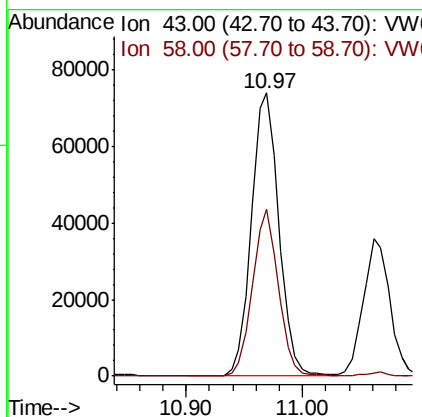
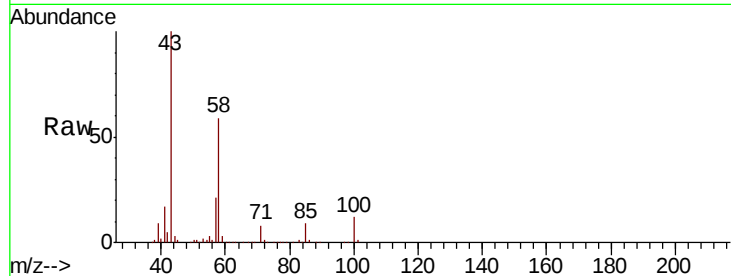
#59
2-Hexanone
Concen: 145.119 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion: 43 Resp: 122253
Ion Ratio Lower Upper
43 100
58 55.6 27.9 83.7

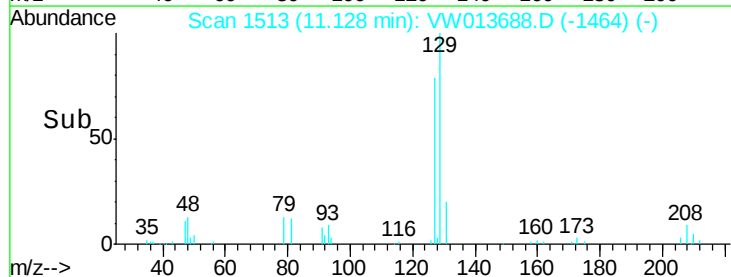
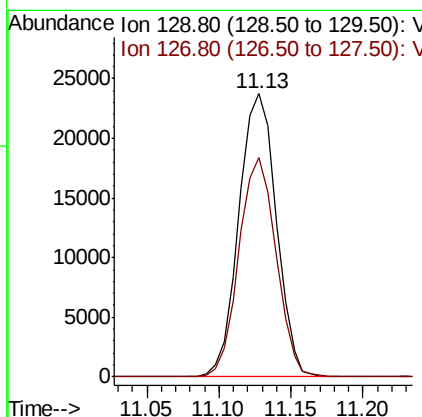
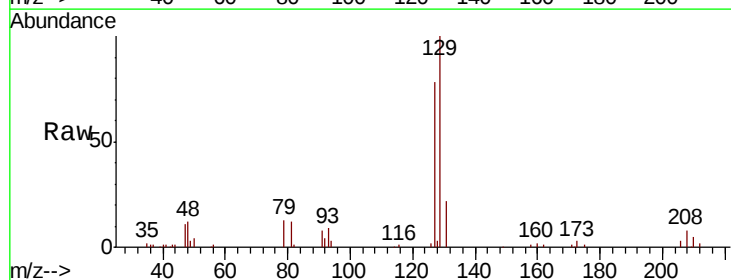
Manual Integrations
APPROVED

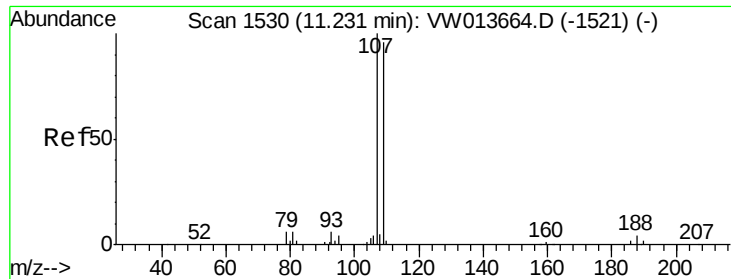
MMDadoda
10/24/2019 1:25:43 PM



#60
Dibromochloromethane
Concen: 22.013 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion: 129 Resp: 42890
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





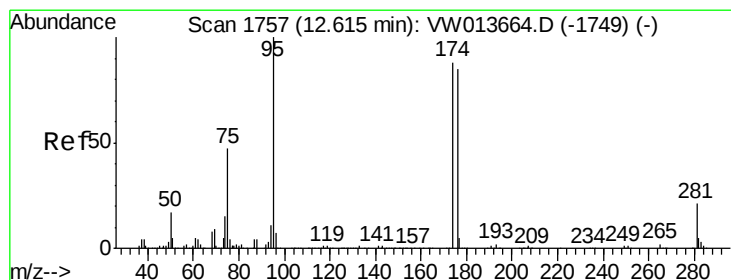
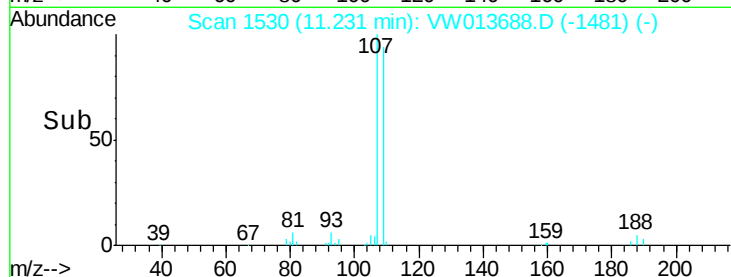
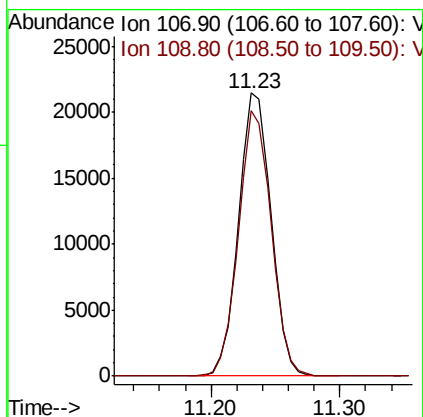
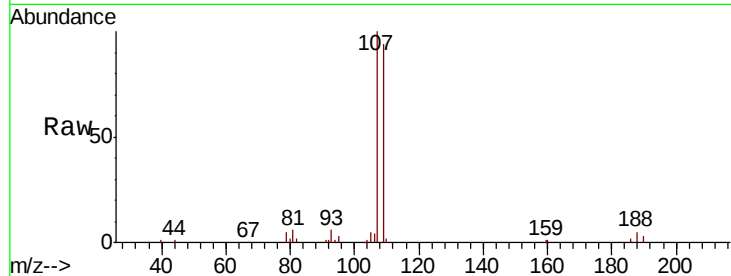
#61
 1,2-Dibromoethane
 Concen: 24.105 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.7	113.5

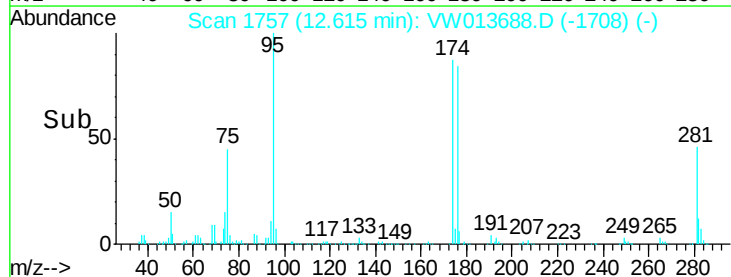
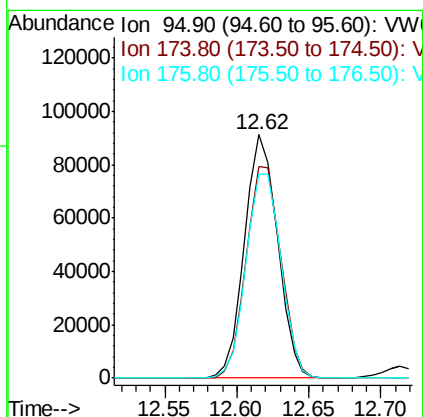
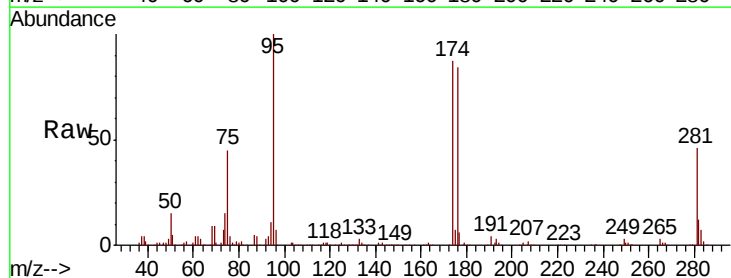
Manual Integrations
 APPROVED

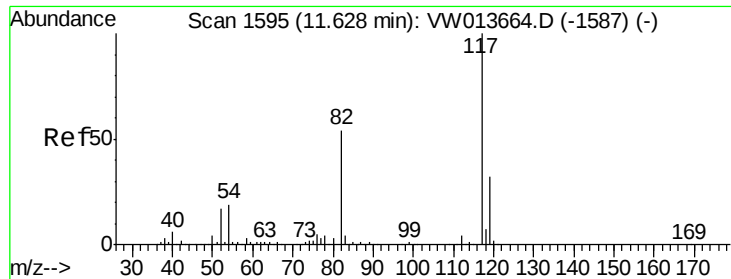
MMDadoda
 10/24/2019 1:25:43 PM



#62
 4-Bromofluorobenzene
 Concen: 52.618 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	183.6
176	88.7	0.0	178.0





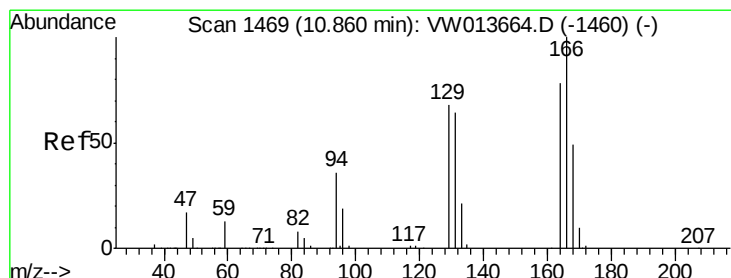
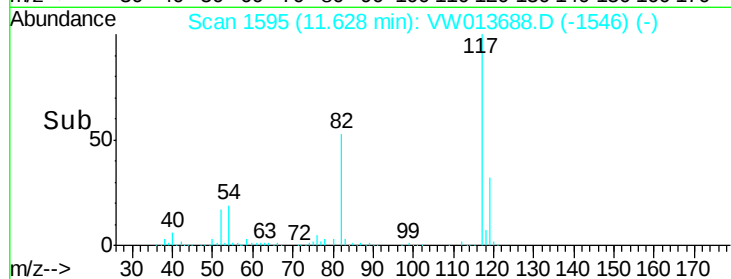
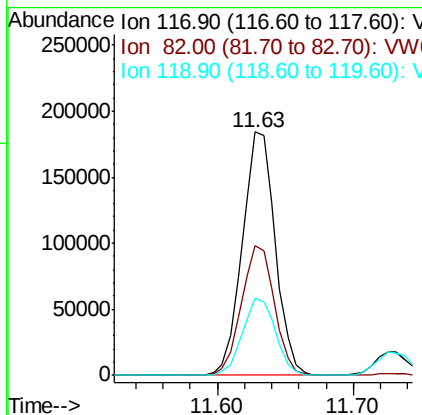
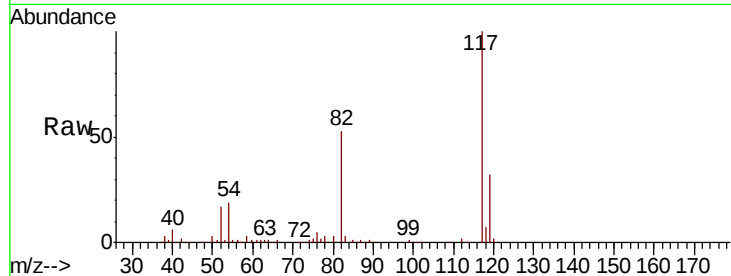
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.6	65.4
119	31.6	25.4	38.2

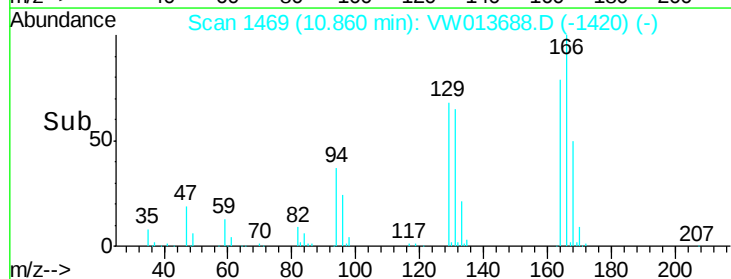
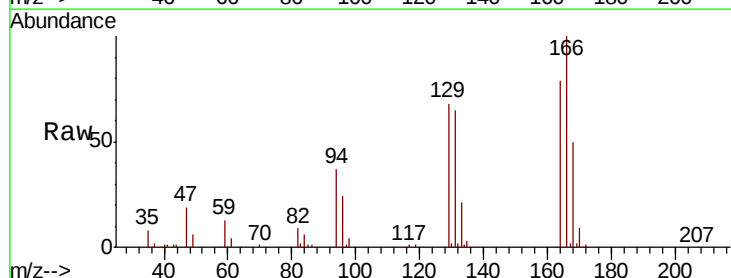
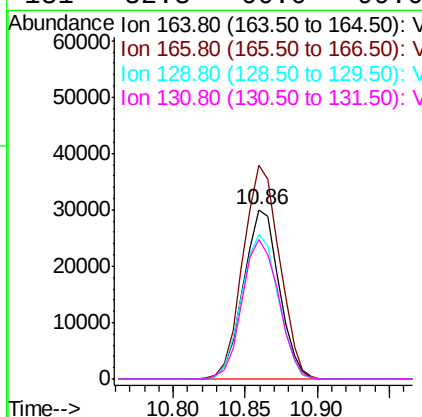
Manual Integrations
APPROVED

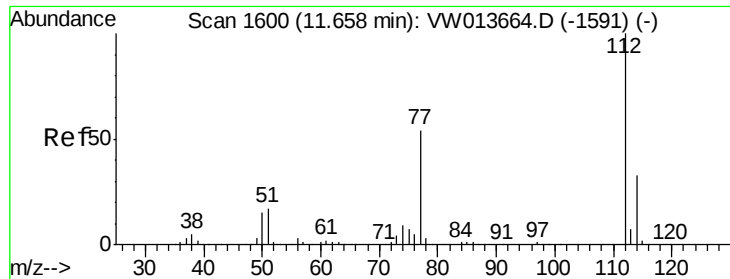
MMDadoda
10/24/2019 1:25:43 PM



#64
Tetrachloroethene
Concen: 21.583 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.2	154.8
129	85.7	70.6	105.8
131	82.3	66.0	99.0





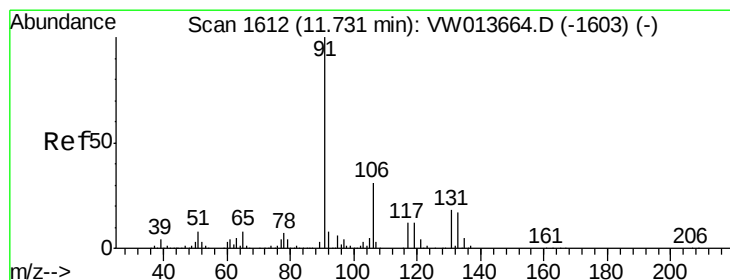
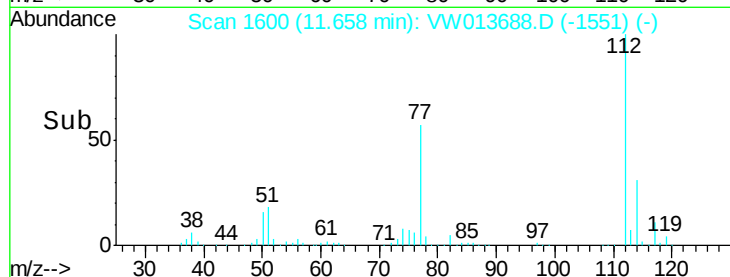
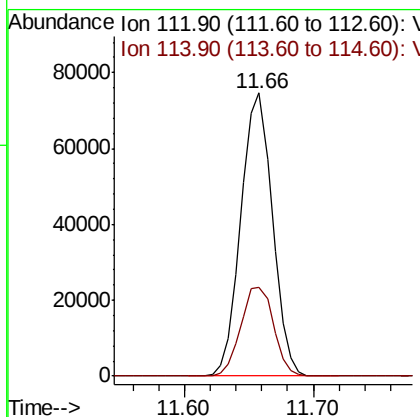
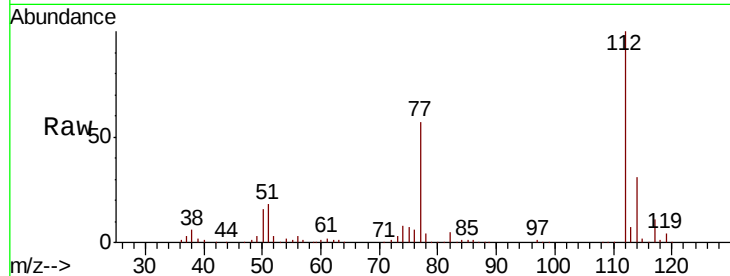
#65
Chlorobenzene
Concen: 19.712 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion:112 Resp: 126465
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.4

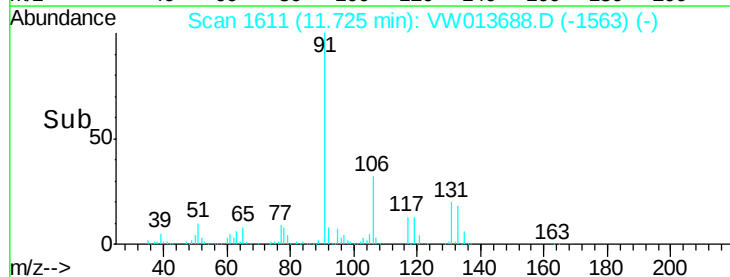
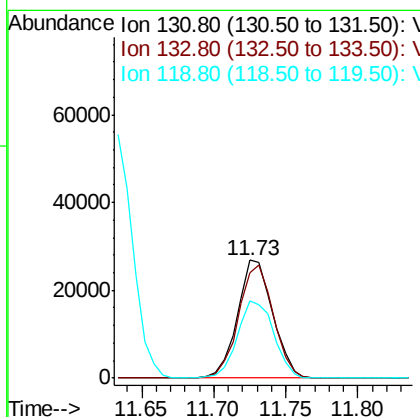
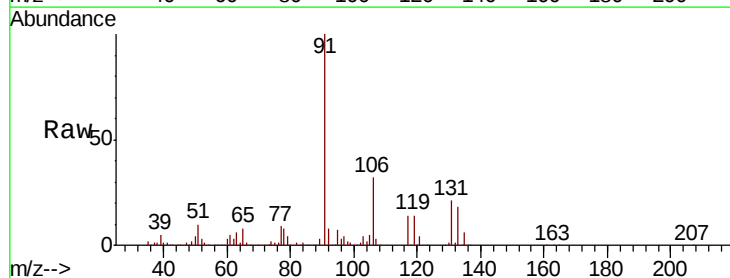
Manual Integrations
APPROVED

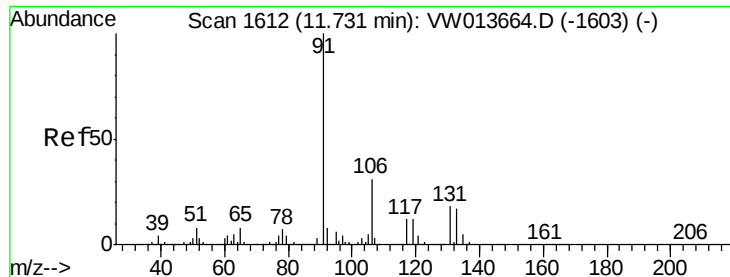
MMDadoda
10/24/2019 1:25:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.260 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion:131 Resp: 45363
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.3
119 67.9 33.1 99.2





#67

Ethyl Benzene

Concen: 19.647 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 91 Resp: 227287

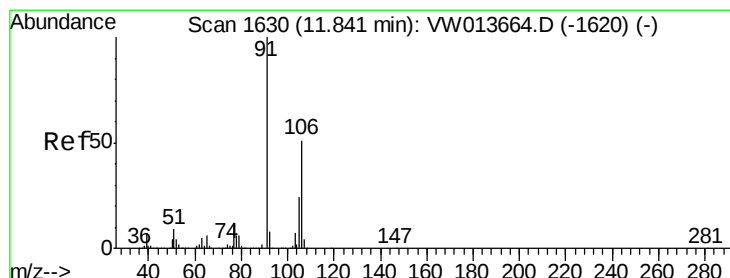
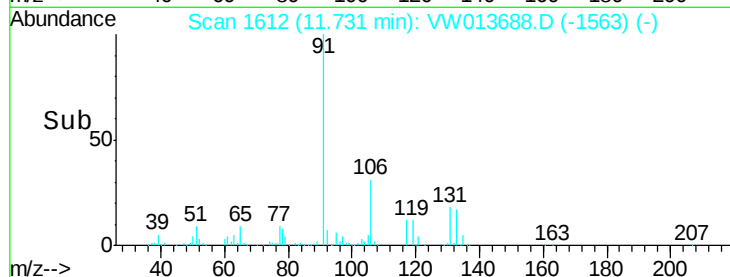
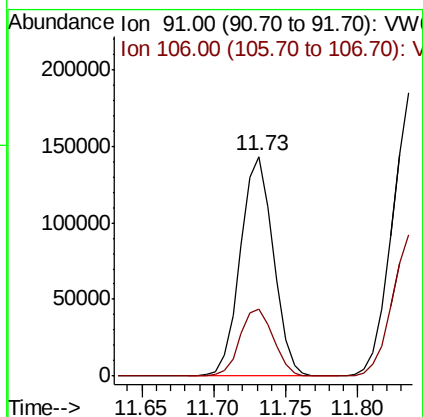
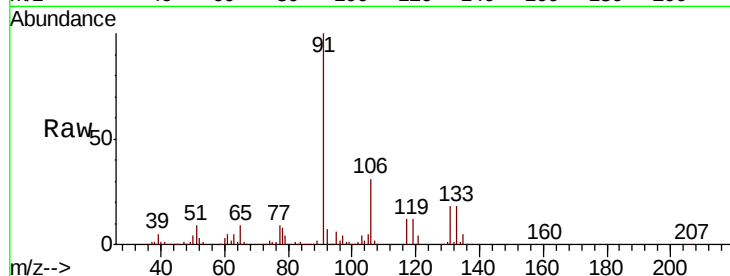
Ion Ratio Lower Upper

91 100

106 30.7 25.0 37.6

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:25:43 PM



#68

m/p-Xylenes

Concen: 39.726 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013688.D

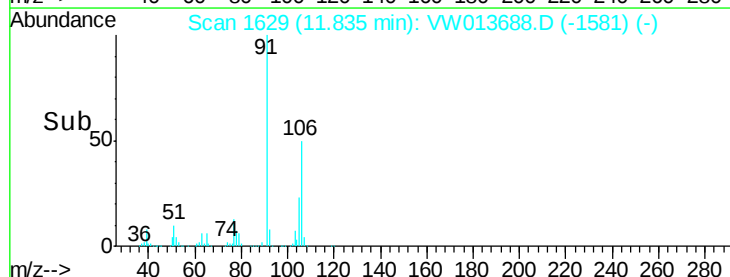
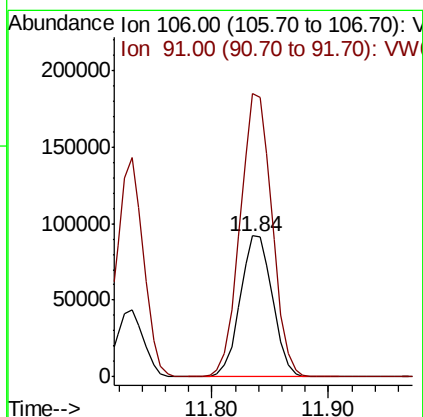
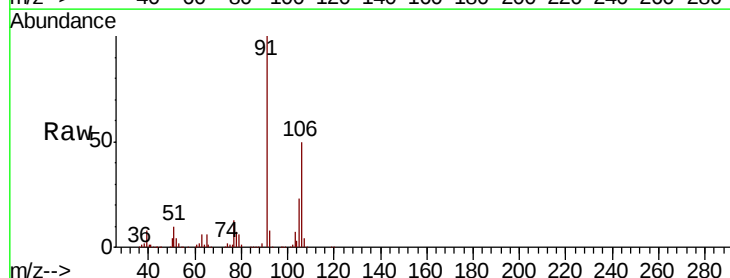
Acq: 24 Oct 2019 01:46

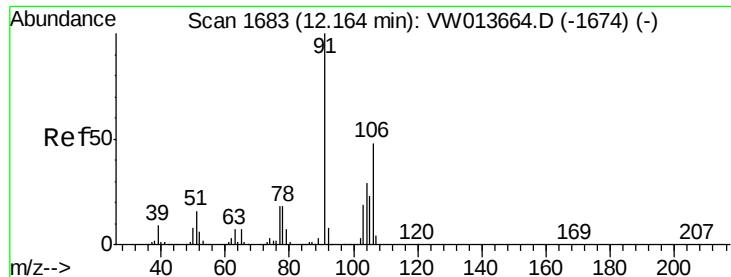
Tgt Ion: 106 Resp: 177555

Ion Ratio Lower Upper

106 100

91 198.2 159.2 238.8





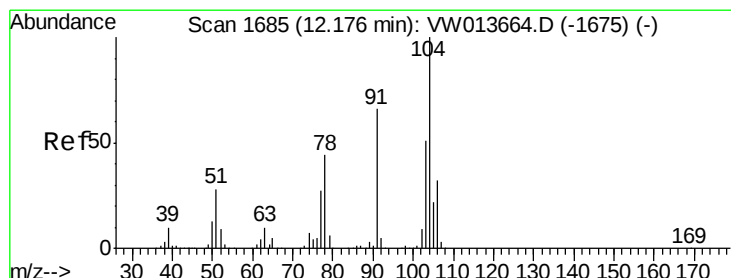
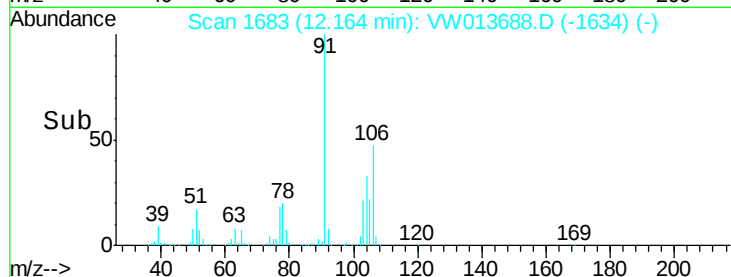
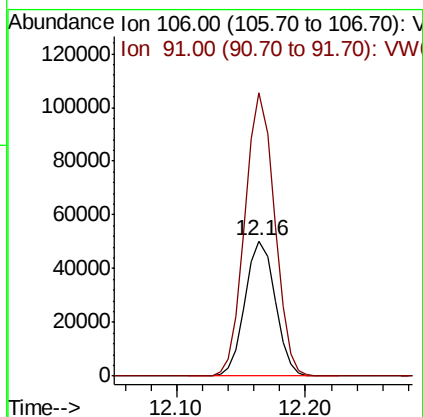
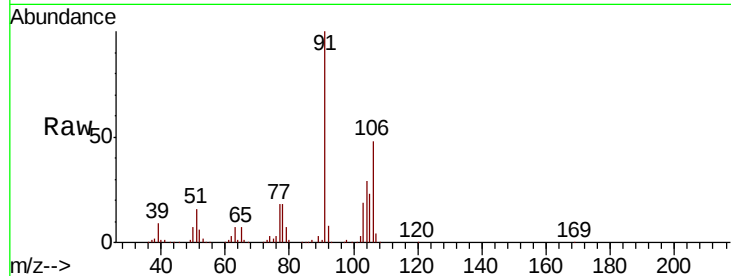
#69
o-Xylene
Concen: 19.777 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion:106 Resp: 81248
Ion Ratio Lower Upper
106 100
91 207.3 104.9 314.7

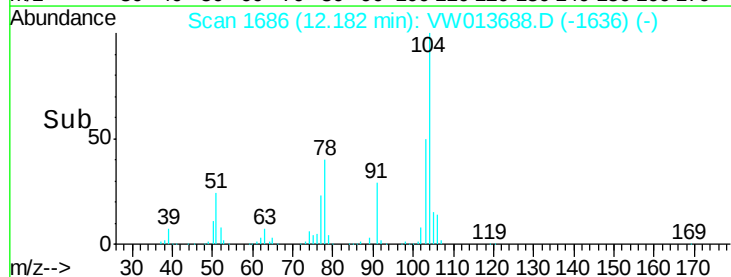
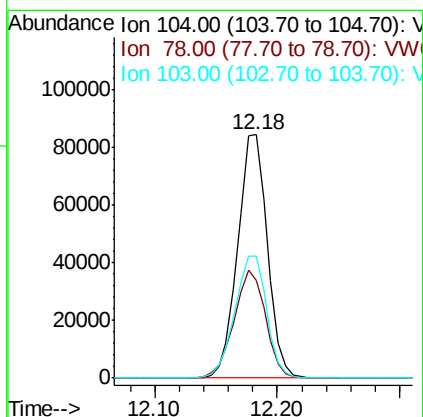
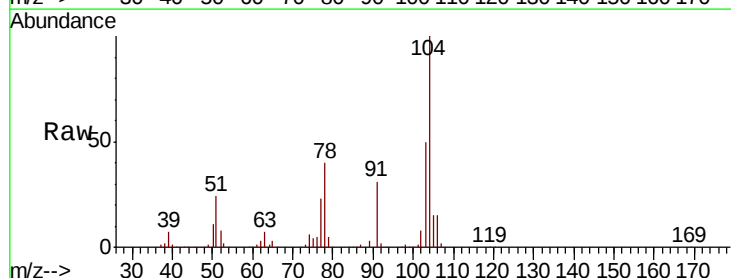
Manual Integrations
APPROVED

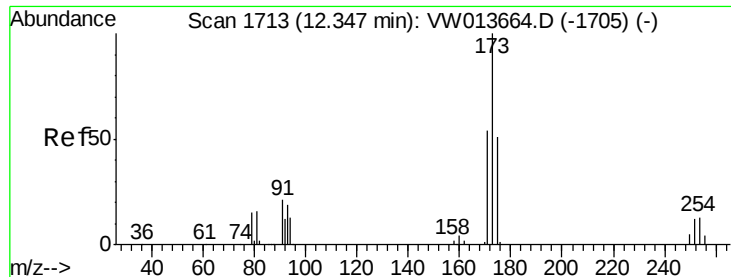
MMDadoda
10/24/2019 1:25:43 PM



#70
Styrene
Concen: 20.084 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion:104 Resp: 141761
Ion Ratio Lower Upper
104 100
78 47.1 37.1 55.7
103 54.0 43.6 65.4





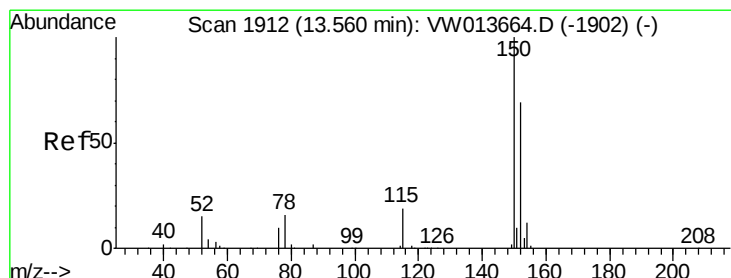
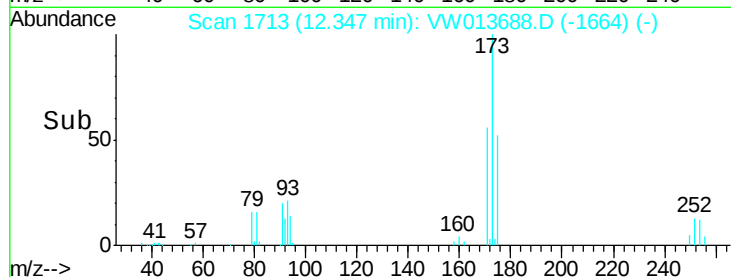
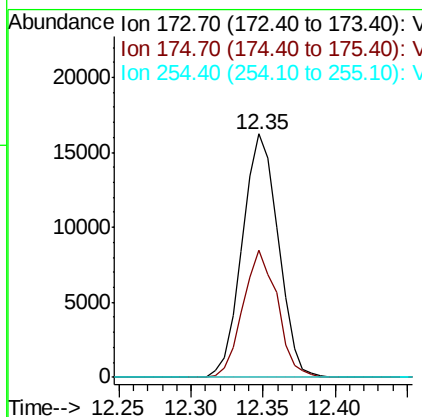
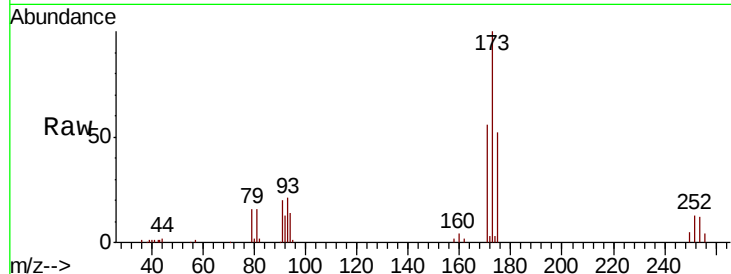
#71
Bromoform
Concen: 23.853 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	25.2	75.6
254	0.0	0.1	0.1

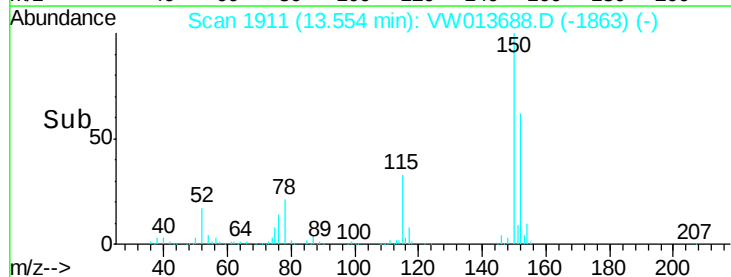
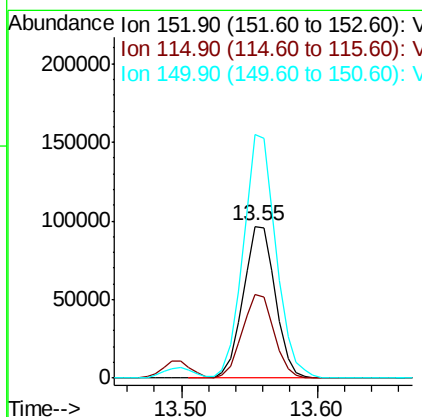
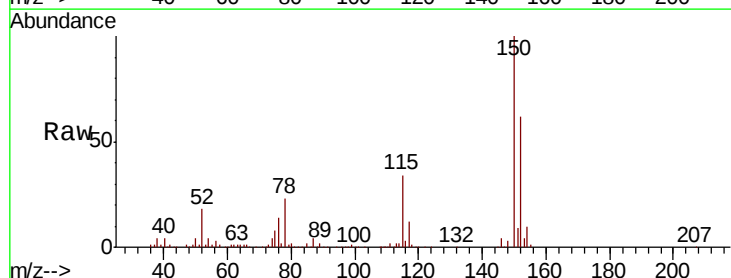
Manual Integrations
APPROVED

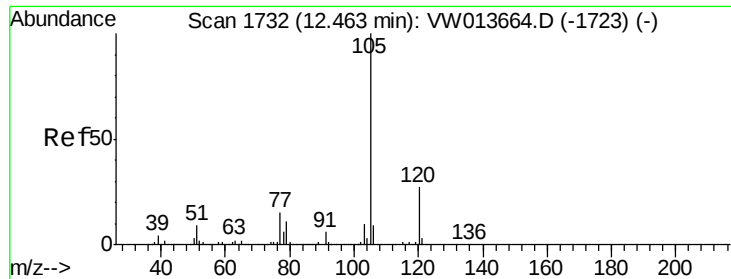
MMDadoda
10/24/2019 1:25:43 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.4	82.2
150	163.7	0.0	345.4





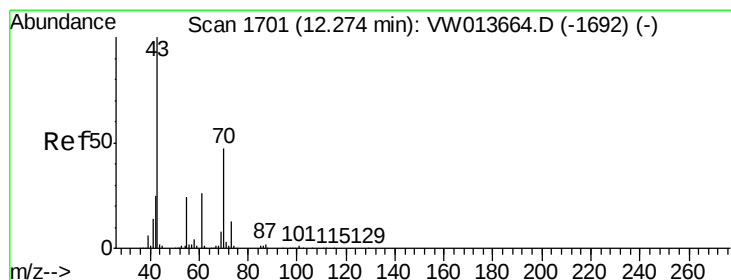
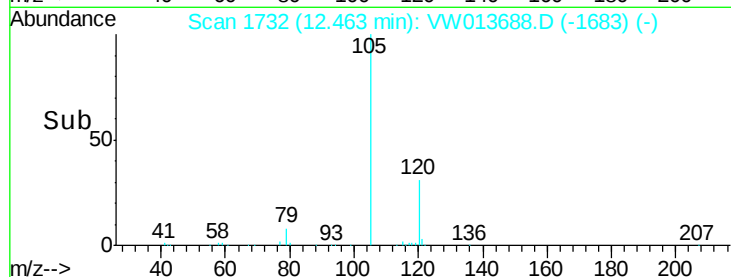
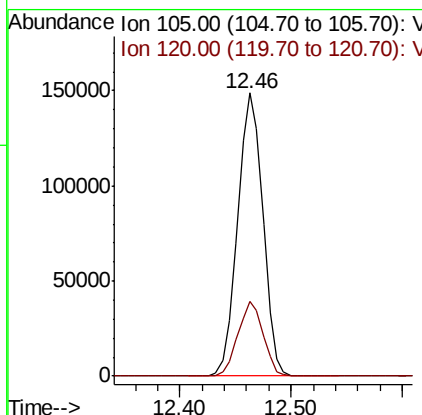
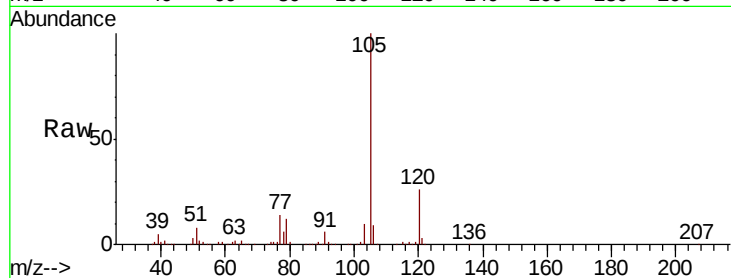
#73
Isopropylbenzene
Concen: 20.471 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.5	40.4

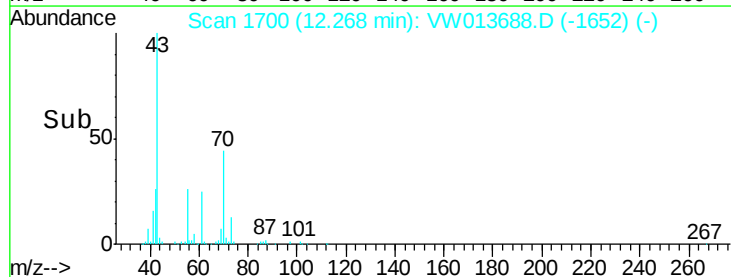
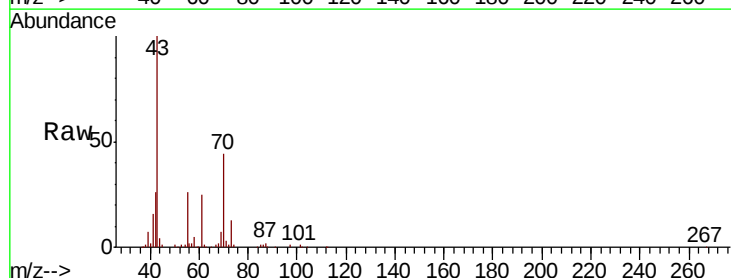
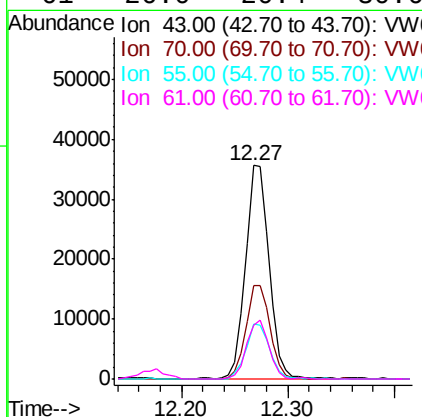
Manual Integrations
APPROVED

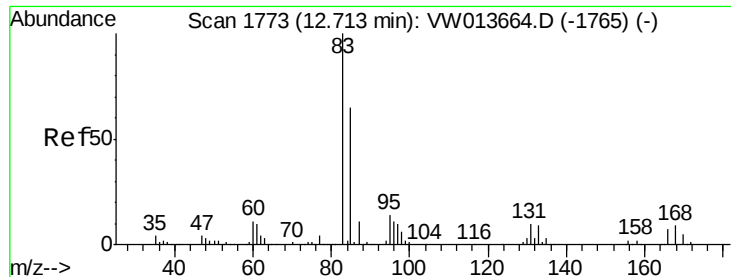
MMDadoda
10/24/2019 1:25:43 PM



#74
N-ethyl acetate
Concen: 25.334 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.6	36.6	55.0
55	26.4	20.3	30.5
61	26.0	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.839 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

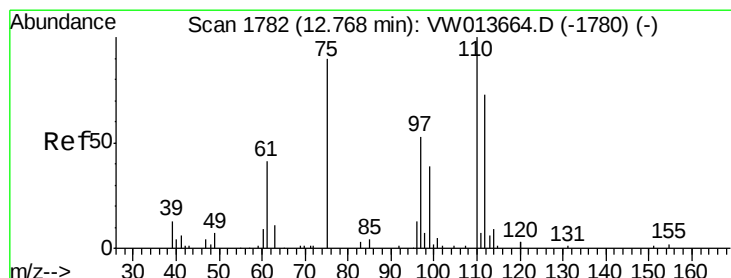
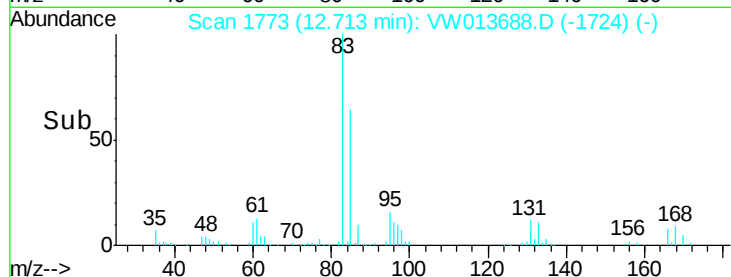
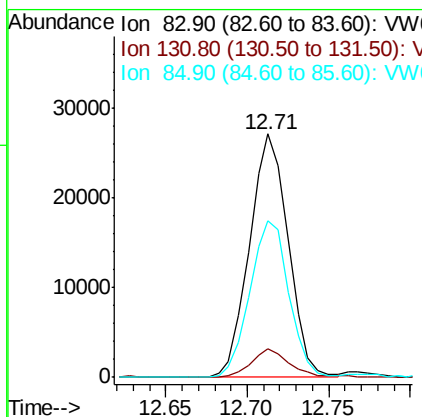
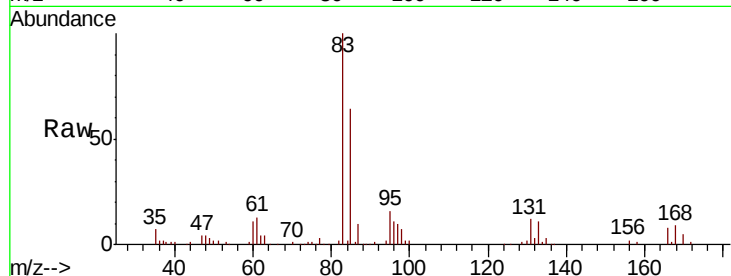
ClientSampleId :

VW1023SBS02

Tot Ion:	83	Resp:	44698
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.1
85	64.8	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:25:43 PM



#76

1,2,3-Trichloropropane

Concen: 26.509 ug/l m

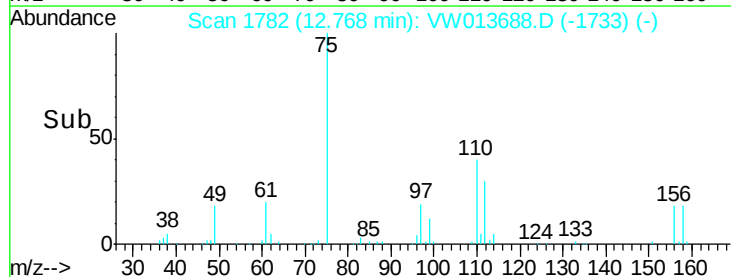
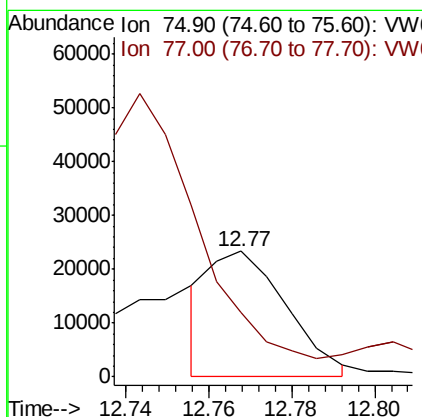
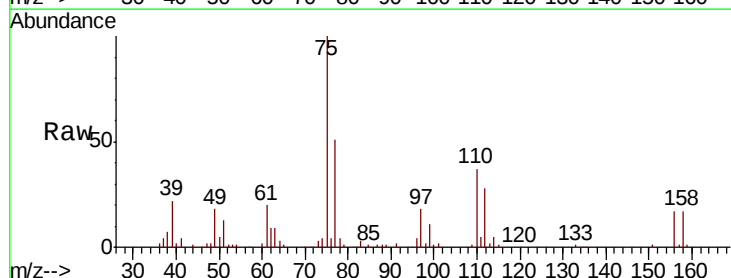
RT: 12.77 min Scan# 1782

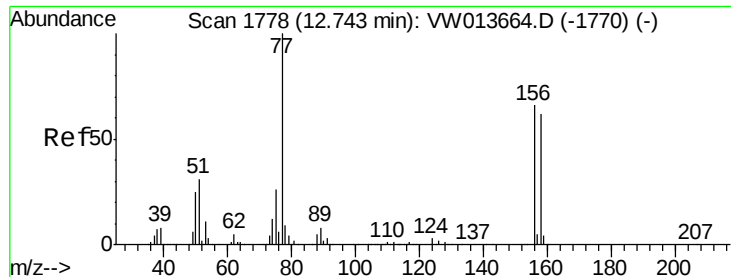
Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Tgt Ion:	75	Resp:	30230
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.778 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

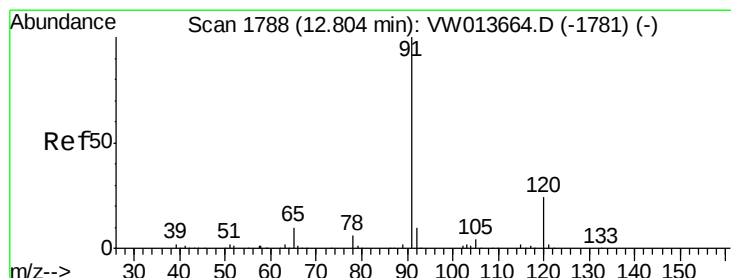
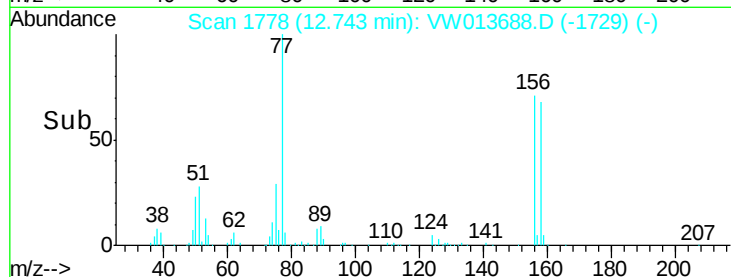
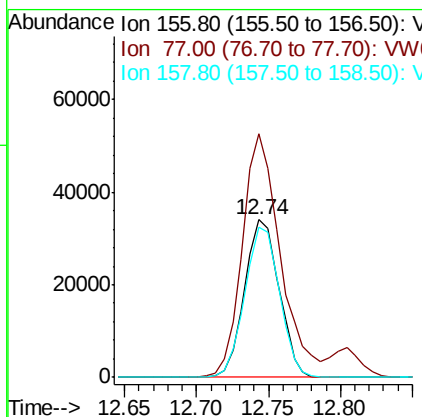
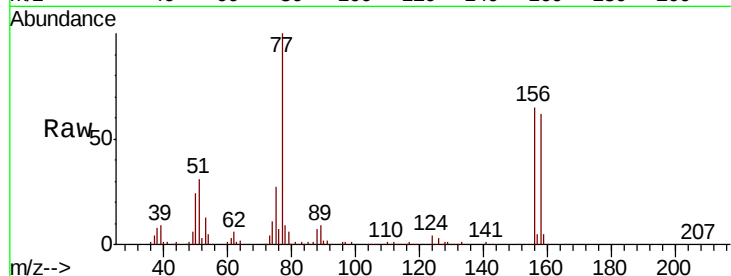
ClientSampleId :

VW1023SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.2	82.9	248.7
158	95.7	48.4	145.2

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:25:43 PM



#78

n-propylbenzene

Concen: 20.306 ug/l

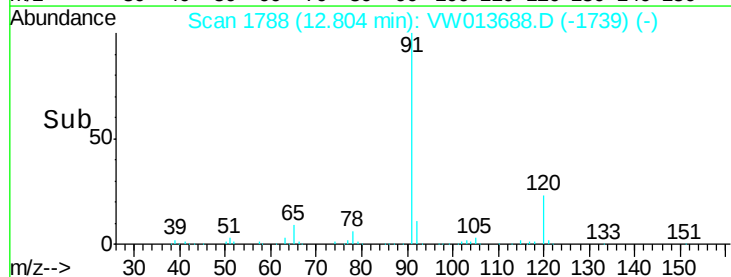
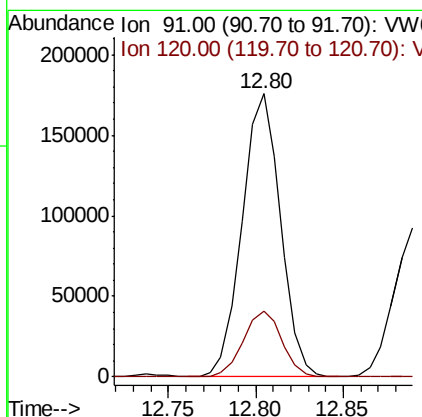
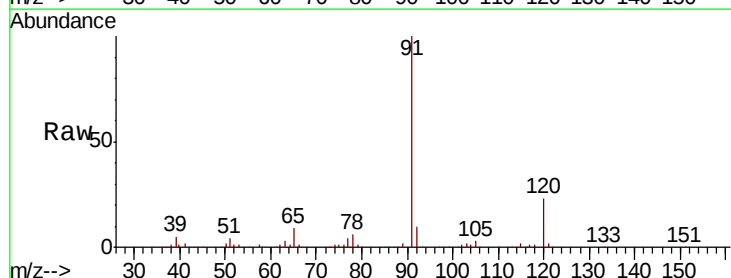
RT: 12.80 min Scan# 1788

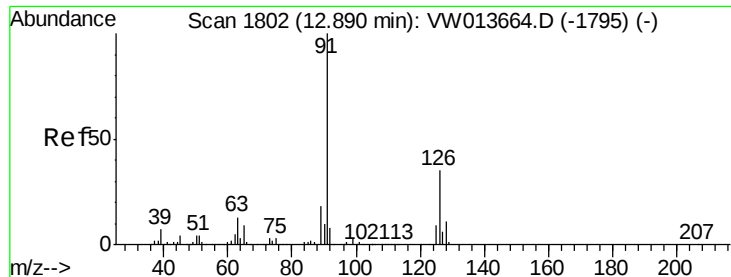
Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.029 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion: 91 Resp: 148558

Ion Ratio Lower Upper

91 100

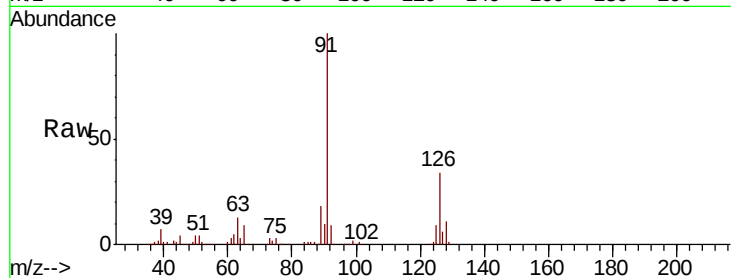
126 34.5 17.4 52.2

Manual Integrations

APPROVED

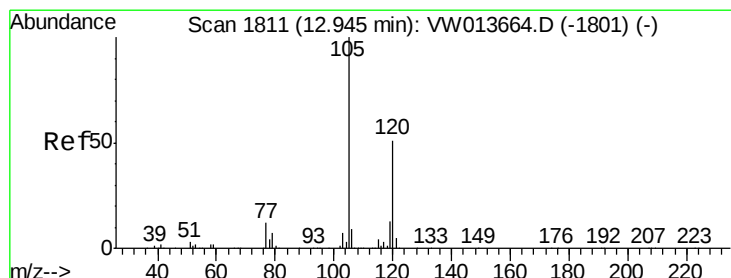
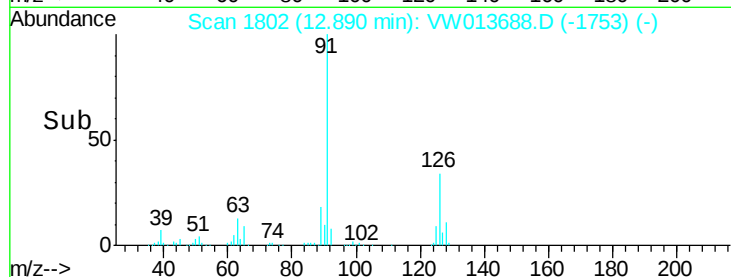
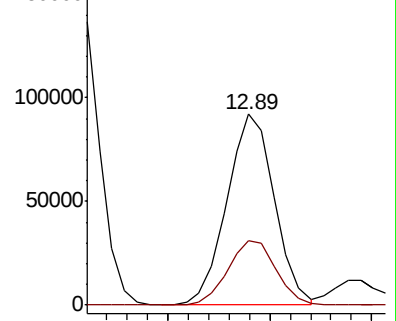
MMDadoda

10/24/2019 1:25:43 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: 19.959 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013688.D

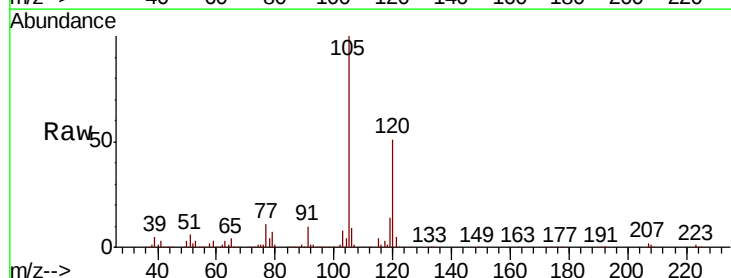
Acq: 24 Oct 2019 01:46

Tgt Ion:105 Resp: 192135

Ion Ratio Lower Upper

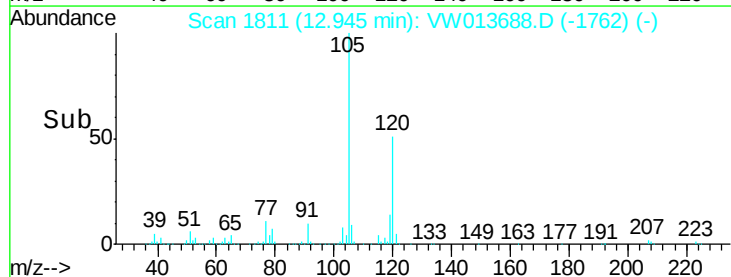
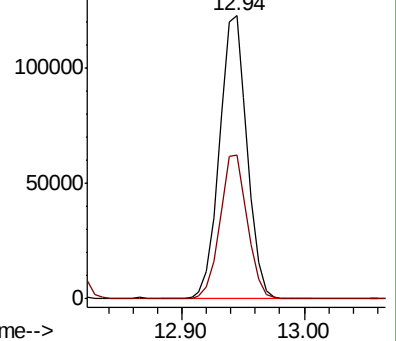
105 100

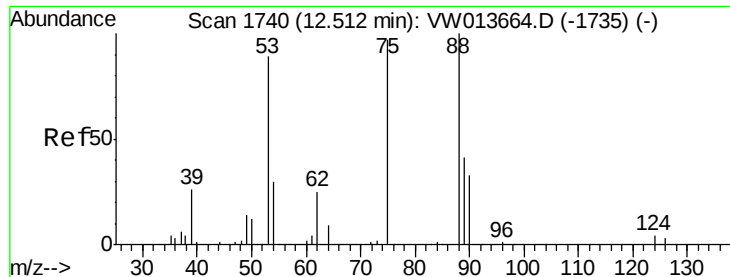
120 50.5 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





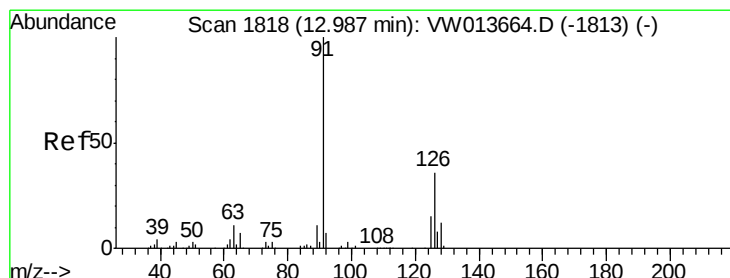
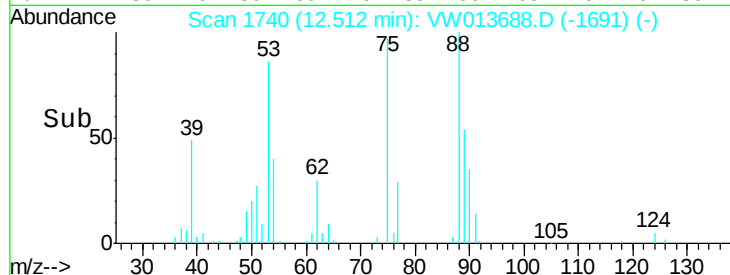
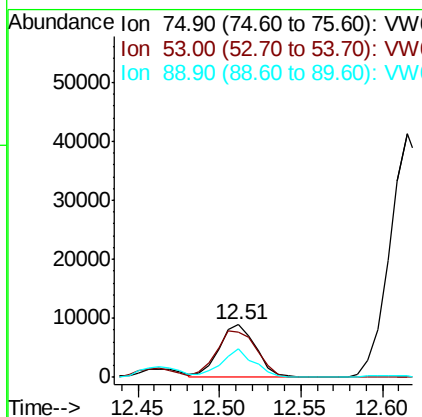
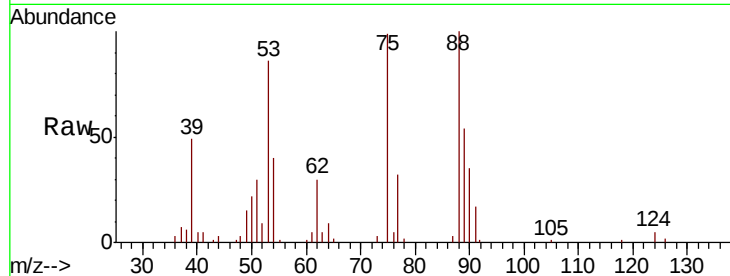
#81
trans-1,4-Dichloro-2-butene
Concen: 23.049 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.4	71.7	107.5
89	48.3	35.8	53.8

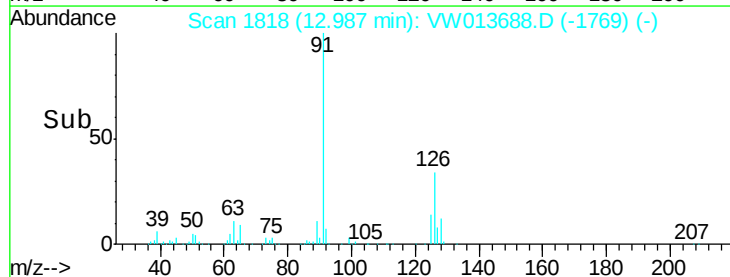
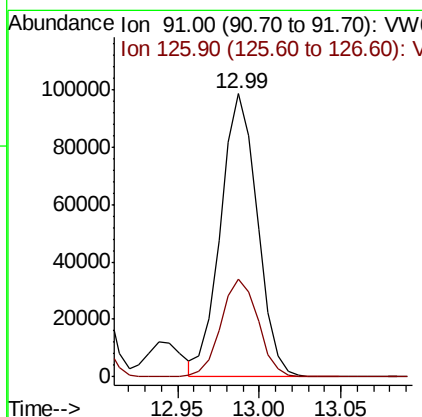
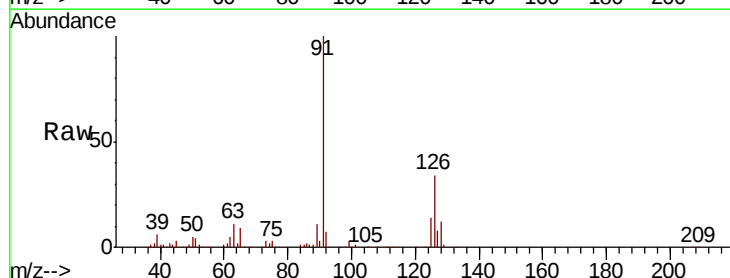
Manual Integrations
APPROVED

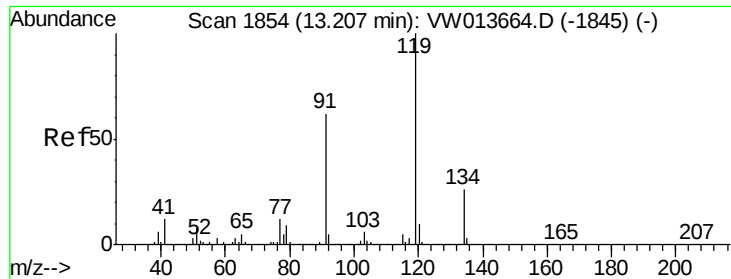
MMDadoda
10/24/2019 1:25:43 PM



#82
4-Chlorotoluene
Concen: 19.874 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.5





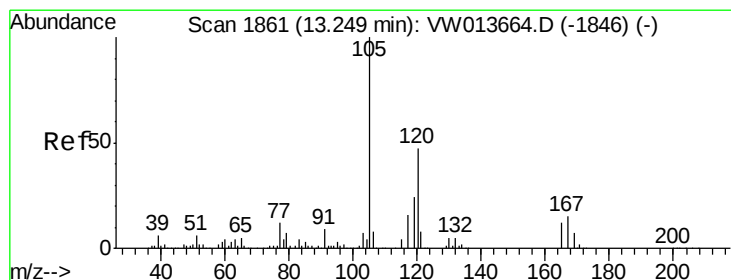
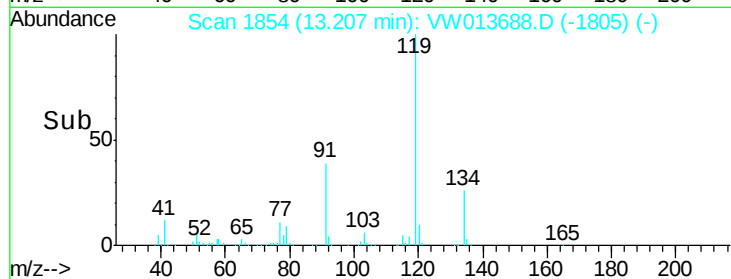
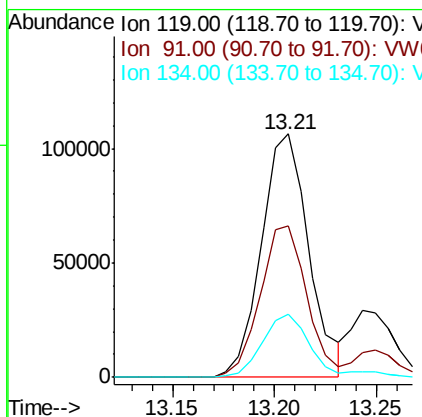
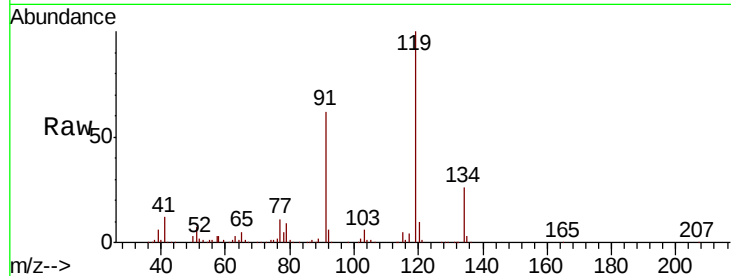
#83
tert-Butylbenzene
Concen: 20.231 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.4	91.3
134	27.3	13.6	40.8

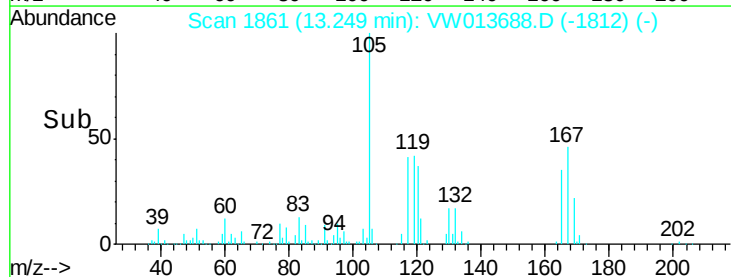
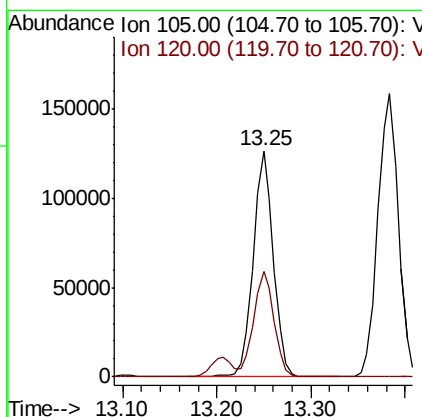
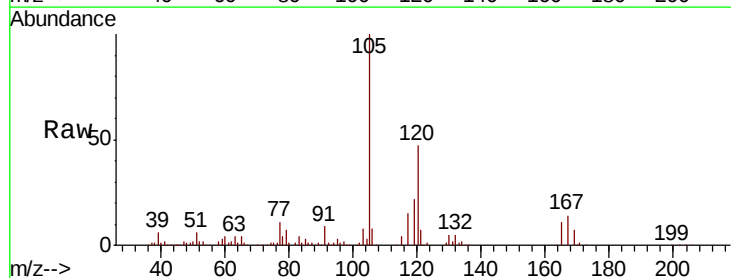
Manual Integrations
APPROVED

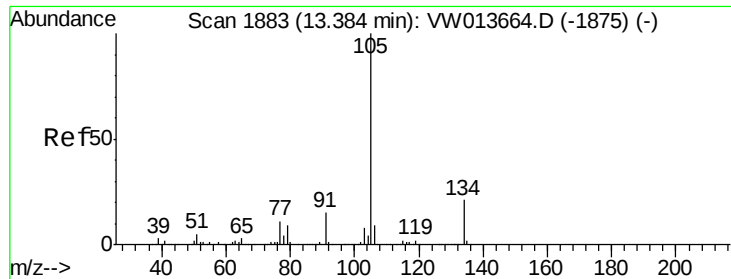
MMDadoda
10/24/2019 1:25:43 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.019 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.5	70.5





#85

sec-Butylbenzene

Concen: 20.487 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS02

Tot Ion:105 Resp: 239378

Ion Ratio Lower Upper

105 100

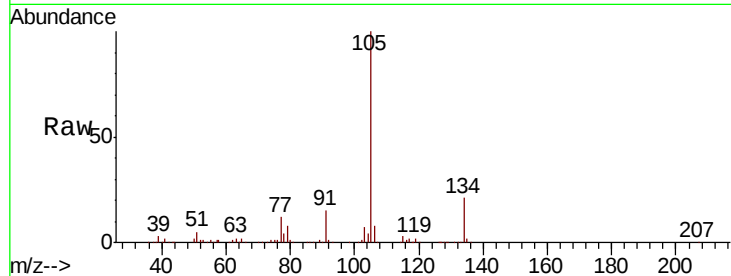
134 20.9 10.5 31.5

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:25:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

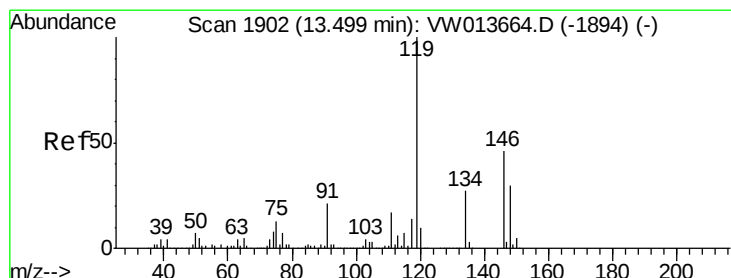
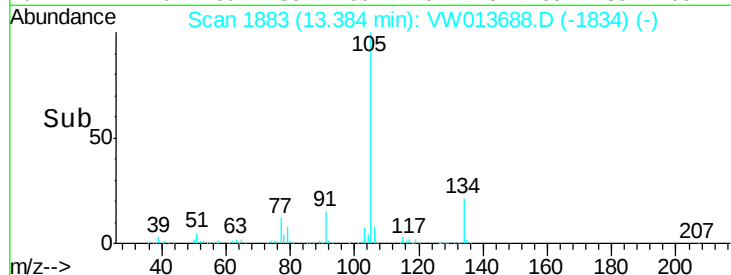
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.303 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

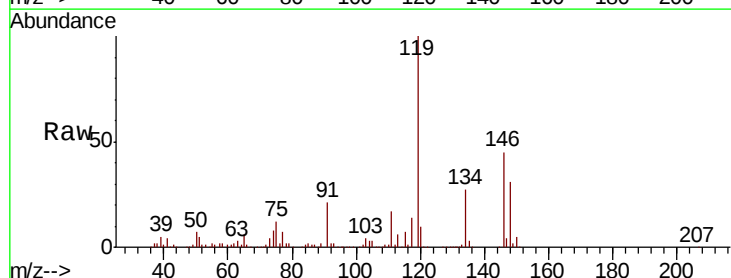
Tgt Ion:119 Resp: 220988

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 21.2 10.8 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

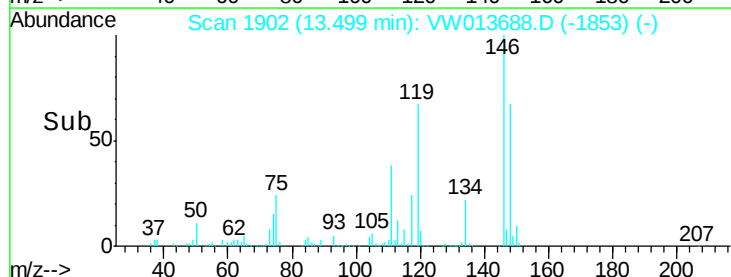
150000

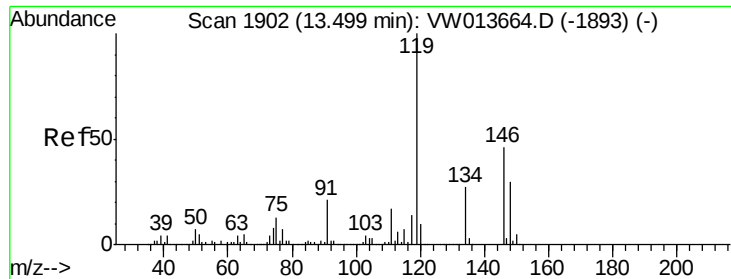
100000

50000

0

Time-->





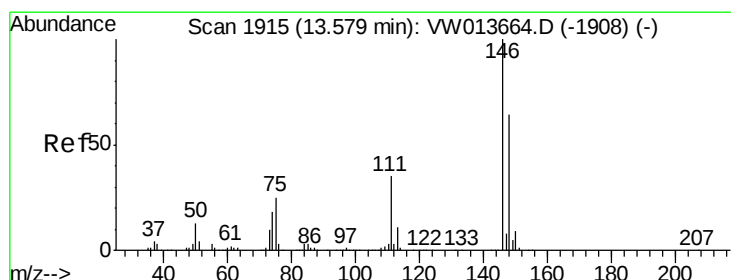
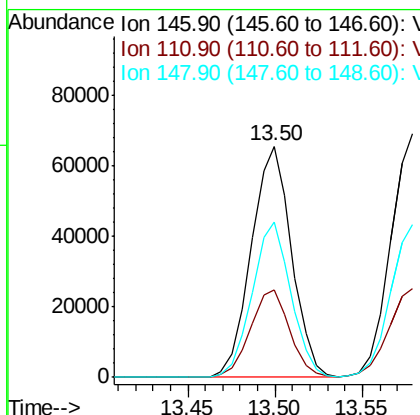
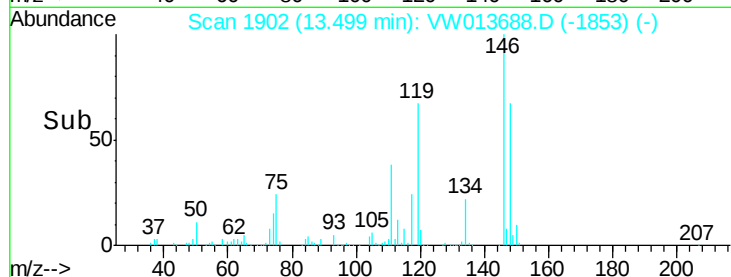
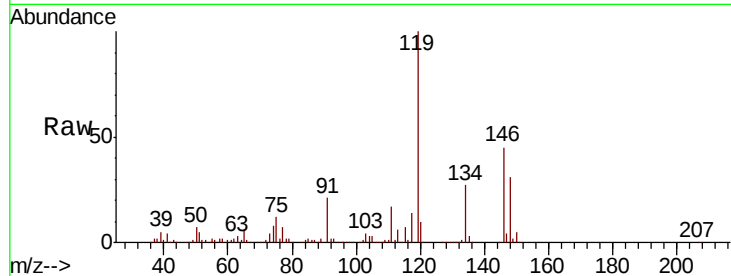
#87
 1,3-Dichlorobenzene
 Concen: 19.910 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	56.0
148	65.1	31.7	95.1

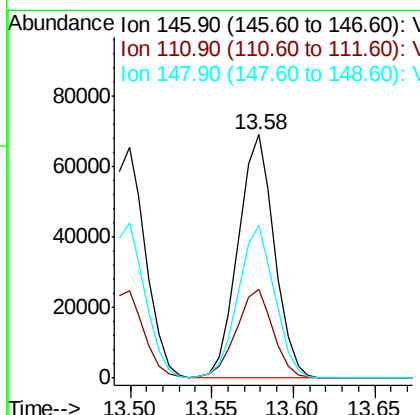
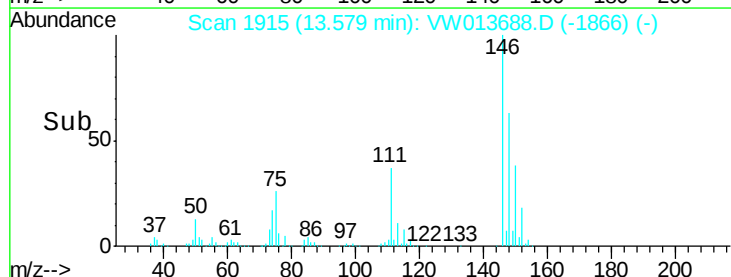
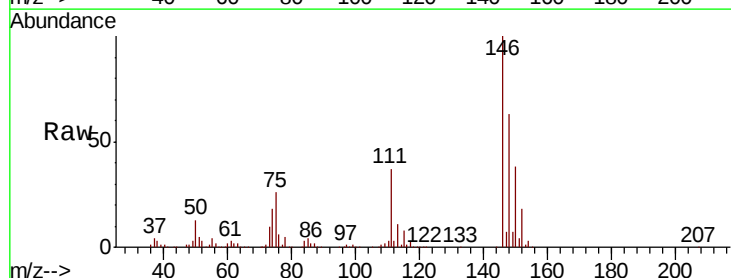
Manual Integrations
 APPROVED

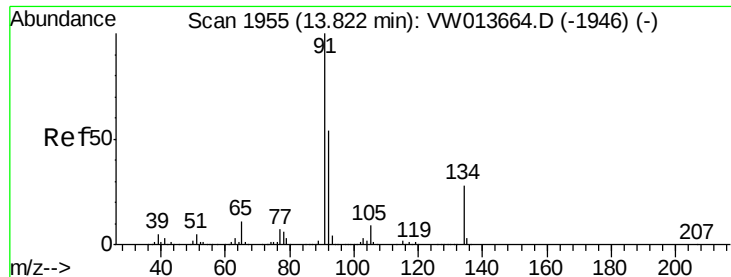
MMDadoda
 10/24/2019 1:25:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.379 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.3
148	63.3	32.0	96.2





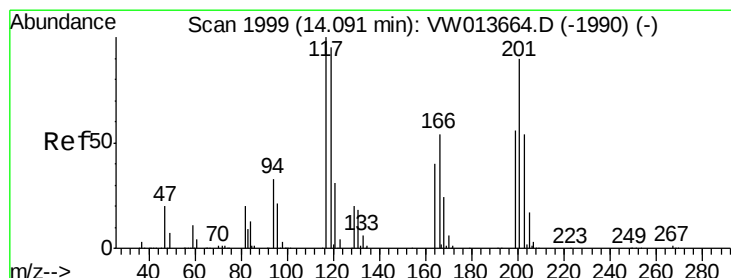
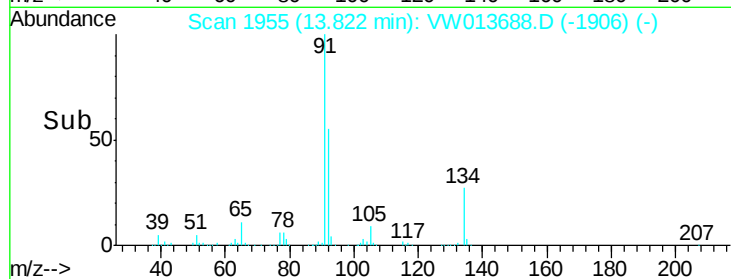
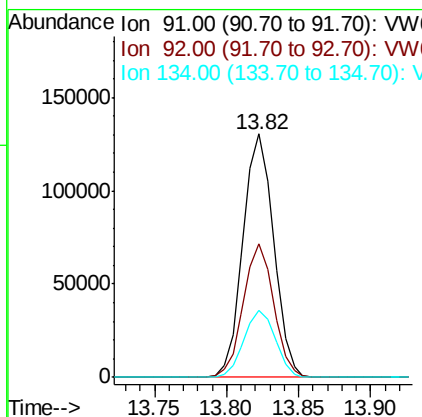
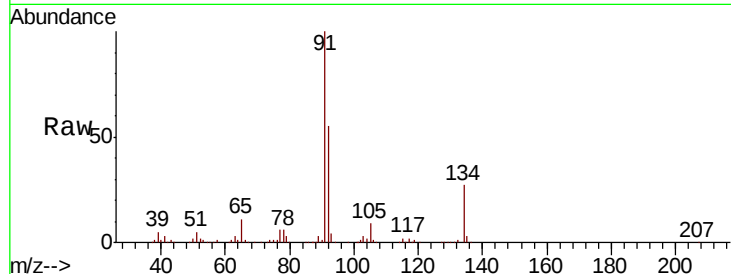
#89
n-Butylbenzene
Concen: 19.648 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.5	82.4
134	28.1	14.0	41.9

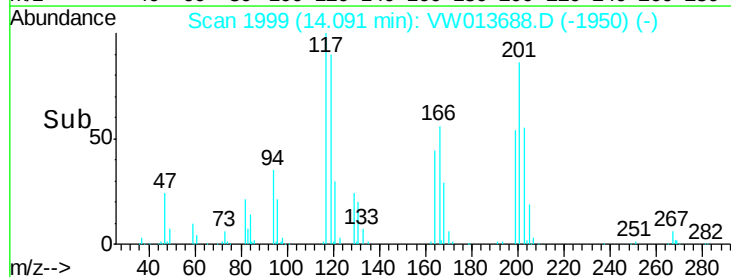
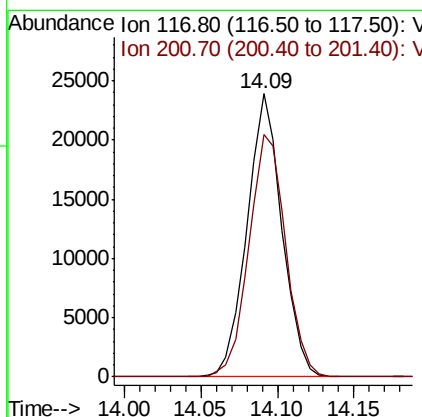
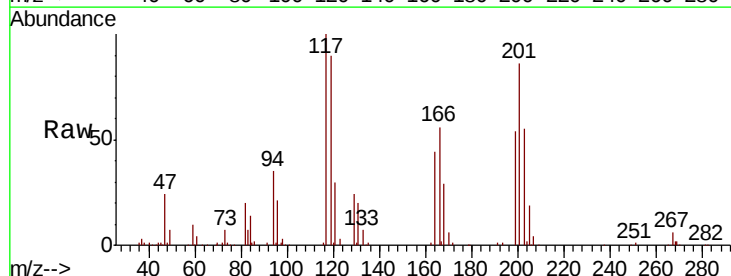
Manual Integrations
APPROVED

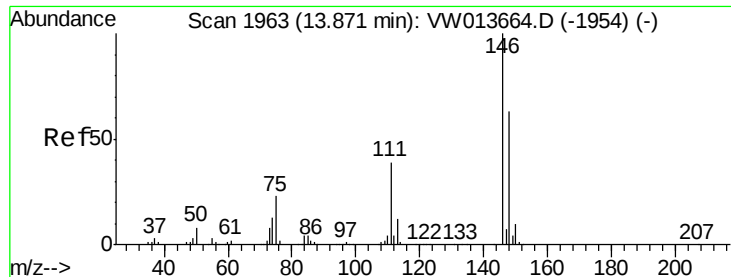
MMDadoda
10/24/2019 1:25:43 PM



#90
Hexachloroethane
Concen: 20.000 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013688.D
Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	46.1	138.2





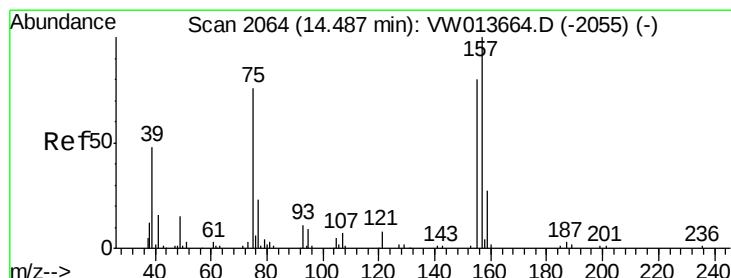
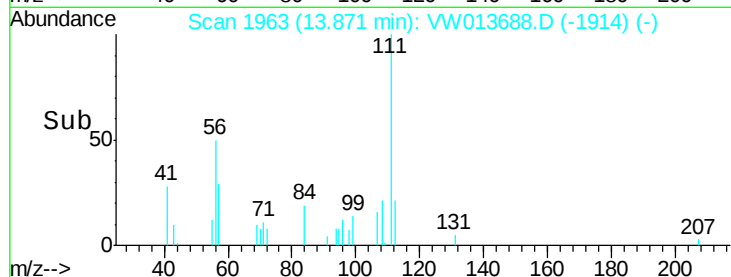
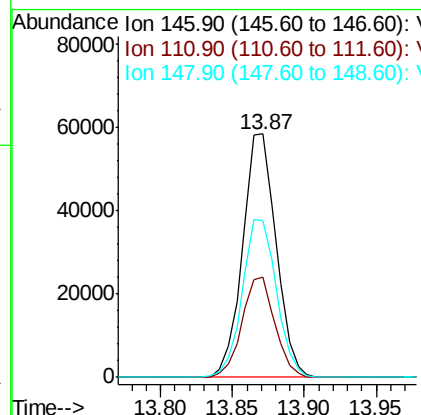
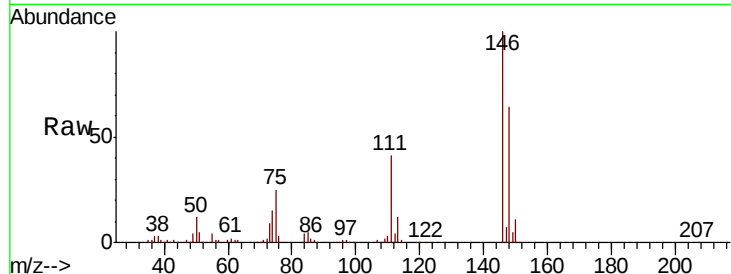
#91
 1,2-Dichlorobenzene
 Concen: 20.616 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.9	59.6
148	66.1	31.9	95.9

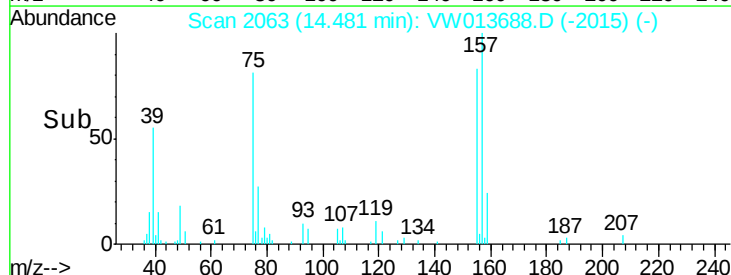
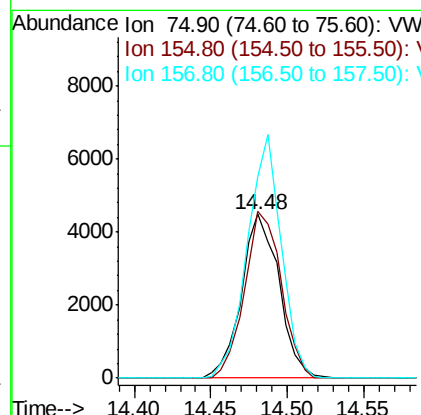
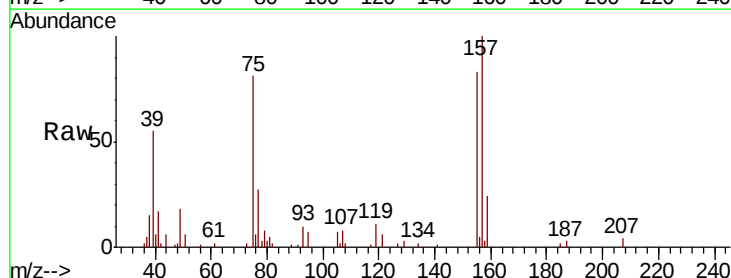
Manual Integrations
 APPROVED

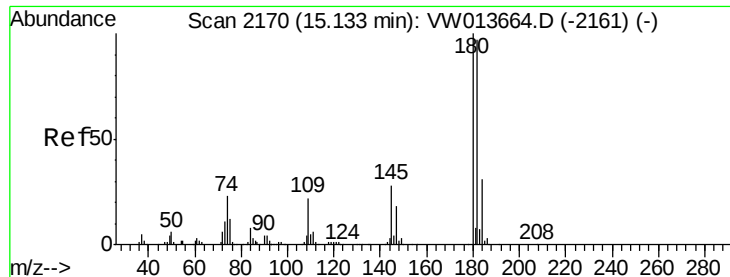
MMDadoda
 10/24/2019 1:25:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 28.231 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	51.9	155.7
157	133.4	64.8	194.3





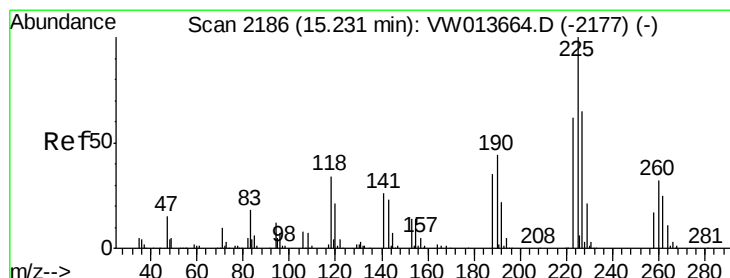
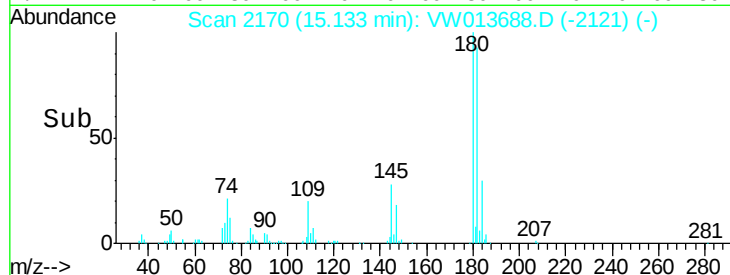
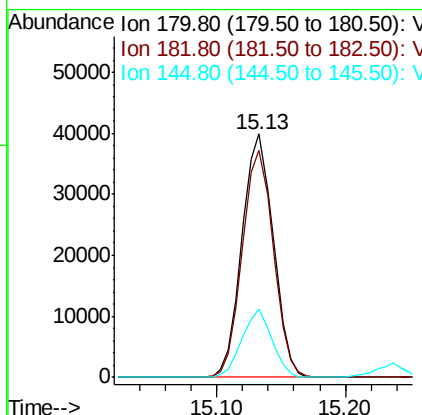
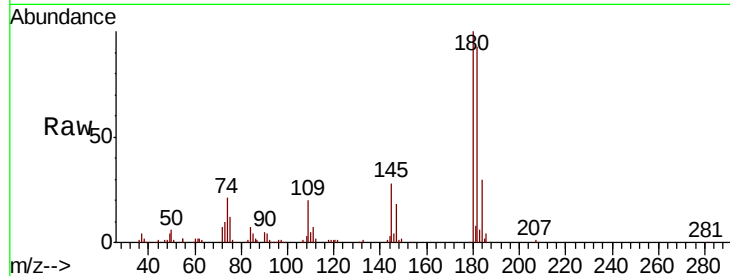
#93
 1,2,4-Trichlorobenzene
 Concen: 20.124 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.4	142.2
145	26.8	14.1	42.3

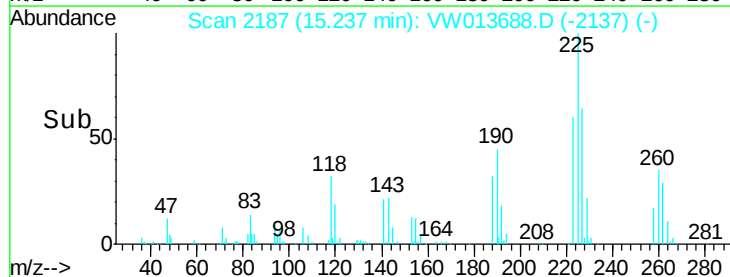
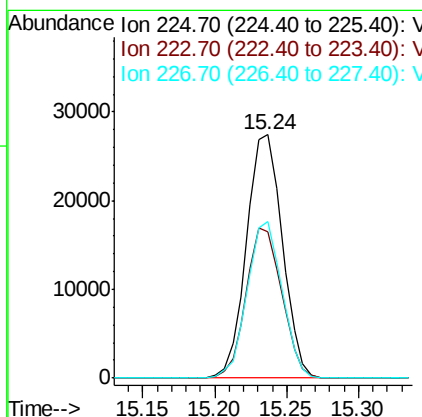
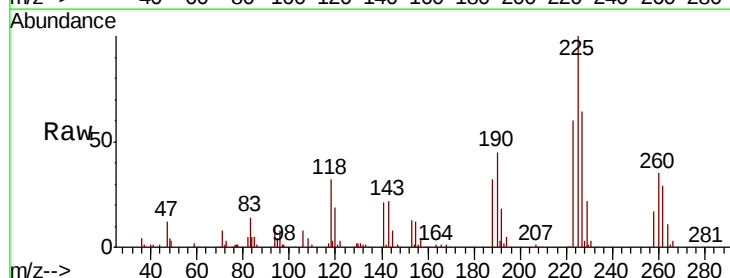
Manual Integrations
 APPROVED

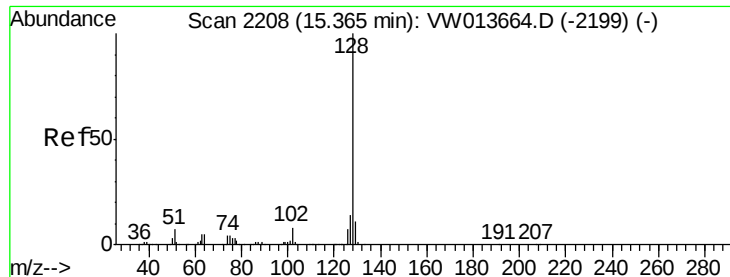
MMDadoda
 10/24/2019 1:25:43 PM



#94
 Hexachlorobutadiene
 Concen: 21.001 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013688.D
 Acq: 24 Oct 2019 01:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.9	95.9
227	62.4	32.5	97.4





#95

Naphthalene

Concen: 23.789 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Instrument :

MSVOA_W

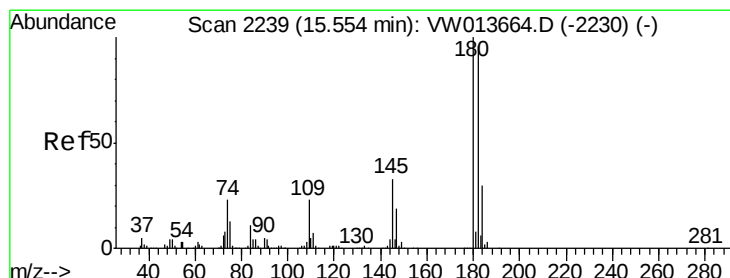
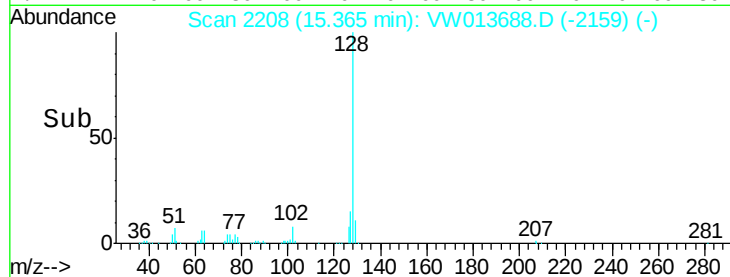
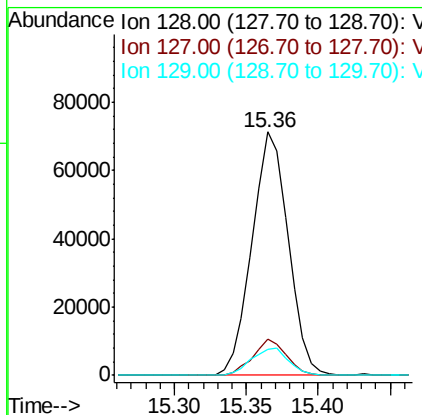
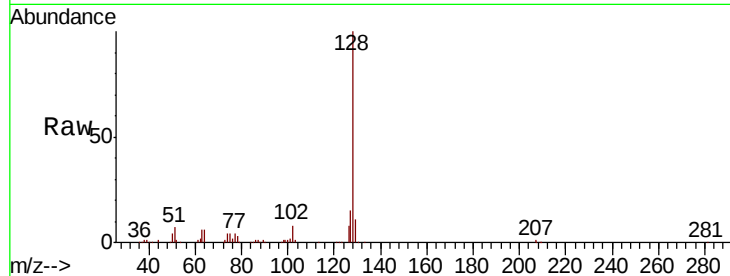
ClientSampleId :

VW1023SBS02

Tot Ion:	128	Resp:	124223
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	15.8
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:25:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.782 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013688.D

Acq: 24 Oct 2019 01:46

Tgt Ion:	180	Resp:	59640
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.4	142.3
145	29.3	14.9	44.9

