

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013195.D
 Acq On : 20 Sep 2019 21:00
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:57 AM

Quant Time: Sep 21 05:23:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	354270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	455735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	144060	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	7.88	113	140498	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	10.32	98	585171	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.62	95	201771	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	95366	46.667	ug/l	95
3) Chloromethane	2.21	50	119032	45.312	ug/l	97
4) Vinyl Chloride	2.36	62	158305	46.744	ug/l	99
5) Bromomethane	2.77	94	100072	46.628	ug/l	91
6) Chloroethane	2.91	64	93166	46.670	ug/l	96
7) Trichlorofluoromethane	3.25	101	89234	45.695	ug/l	97
8) Diethyl Ether	3.68	74	82755	49.613	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	149958	47.166	ug/l	99
10) Methyl Iodide	4.27	142	237673	48.217	ug/l	99
11) Tert butyl alcohol	5.18	59	53609	257.883	ug/l	100
12) 1,1-Dichloroethene	4.04	96	156157	47.431	ug/l	98
13) Acrolein	3.89	56	41880	251.619	ug/l	97
14) Allyl chloride	4.66	41	253072	48.299	ug/l	99
15) Acrylonitrile	5.36	53	183741	255.212	ug/l	99
16) Acetone	4.12	43	150774	231.236	ug/l	97
17) Carbon Disulfide	4.38	76	455840	47.903	ug/l	100
18) Methyl Acetate	4.67	43	90496	49.374	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	257383	51.009	ug/l	99
20) Methylene Chloride	4.92	84	167468	50.234	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	175787	49.401	ug/l	97
22) Diisopropyl ether	6.31	45	501047	50.287	ug/l	99
23) Vinyl Acetate	6.25	43	1515599	256.402	ug/l	99
24) 1,1-Dichloroethane	6.21	63	299451	49.806	ug/l	99
25) 2-Butanone	7.17	43	236032	241.142	ug/l	98
26) 2,2-Dichloropropane	7.16	77	170069	47.081	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	189734	50.525	ug/l	98
28) Bromochloromethane	7.51	49	123435	53.492	ug/l #	99
29) Tetrahydrofuran	7.53	42	154024	256.590	ug/l	99
30) Chloroform	7.67	83	288803	49.063	ug/l	98
31) Cyclohexane	7.95	56	288101	45.969	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	230728	48.396	ug/l	100
36) 1,1-Dichloropropene	8.08	75	239031	47.250	ug/l	99
37) Ethyl Acetate	7.25	43	105765	49.193	ug/l	99
38) Carbon Tetrachloride	8.07	117	216612	47.765	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013195.D
 Acq On : 20 Sep 2019 21:00
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:57 AM

Quant Time: Sep 21 05:23:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	306194	47.098	ug/l	99
40) Benzene	8.32	78	688077	48.763	ug/l	99
41) Methacrylonitrile	7.48	41	64875	50.557	ug/l	98
42) 1,2-Dichloroethane	8.40	62	187038	49.309	ug/l	99
43) Isopropyl Acetate	8.42	43	204645	49.663	ug/l	98
44) Trichloroethene	9.09	130	186620	47.138	ug/l	98
45) 1,2-Dichloropropane	9.37	63	169081	49.080	ug/l	99
46) Dibromomethane	9.46	93	83267	49.785	ug/l	99
47) Bromodichloromethane	9.64	83	207732	48.811	ug/l	96
48) Methyl methacrylate	9.43	41	98461	50.815	ug/l	98
49) 1,4-Dioxane	9.46	88	22553	898.315	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	519062	251.265	ug/l	99
52) Toluene	10.38	92	444389	49.140	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	219077	50.104	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	264291	49.713	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	122200	48.882	ug/l	97
56) Ethyl methacrylate	10.65	69	170291	52.050	ug/l	99
57) 1,3-Dichloropropane	10.93	76	216734	49.682	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	383966	253.507	ug/l	99
59) 2-Hexanone	10.97	43	352808	248.236	ug/l	100
60) Dibromochloromethane	11.13	129	141780	49.947	ug/l	100
61) 1,2-Dibromoethane	11.23	107	117337	49.366	ug/l	100
64) Tetrachloroethene	10.86	164	170470	49.300	ug/l	98
65) Chlorobenzene	11.66	112	460953	48.436	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	160185	49.270	ug/l	99
67) Ethyl Benzene	11.73	91	845063	49.009	ug/l	99
68) m/p-Xylenes	11.84	106	642084	97.719	ug/l	99
69) o-Xylene	12.16	106	297901	48.765	ug/l	99
70) Styrene	12.18	104	523448	49.910	ug/l	100
71) Bromoform	12.35	173	85518	49.789	ug/l #	100
73) Isopropylbenzene	12.46	105	826284	48.234	ug/l	99
74) N-amyl acetate	12.27	43	186676	49.108	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	138191	48.235	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	109351m	53.394	ug/l	
77) Bromobenzene	12.74	156	196122	48.312	ug/l	98
78) n-propylbenzene	12.80	91	967069	48.228	ug/l	100
79) 2-Chlorotoluene	12.89	91	544245	48.447	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	696825	48.390	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44787	49.072	ug/l	98
82) 4-Chlorotoluene	12.99	91	569876	48.105	ug/l	100
83) tert-Butylbenzene	13.21	119	610721	48.320	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	697916	48.705	ug/l	98
85) sec-Butylbenzene	13.38	105	839646	48.185	ug/l	100
86) p-Isopropyltoluene	13.49	119	783549	48.480	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	375201	48.024	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	376053	49.078	ug/l	100
89) n-Butylbenzene	13.82	91	715584	48.489	ug/l	100
90) Hexachloroethane	14.09	117	132471	48.790	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	334887	49.546	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22206	50.674	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013195.D
Acq On : 20 Sep 2019 21:00
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

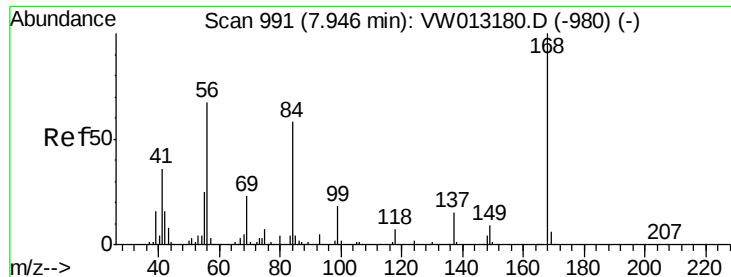
Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM

Quant Time: Sep 21 05:23:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	240053	49.563	ug/l	99
94) Hexachlorobutadiene	15.24	225	154658	46.674	ug/l	98
95) Naphthalene	15.36	128	418780	52.867	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	208529	49.827	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 354270

Ion Ratio Lower Upper

168 100

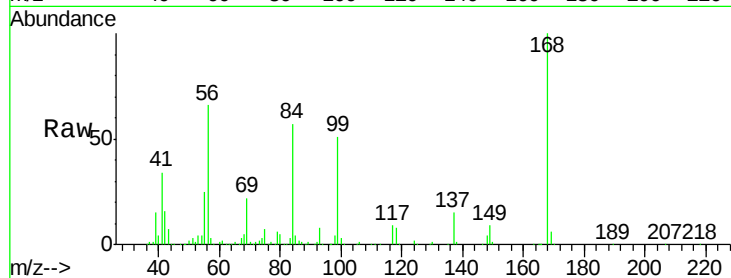
99 51.1 40.2 60.4

Manual Integrations

APPROVED

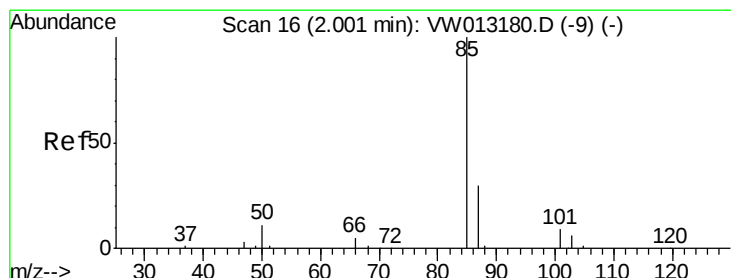
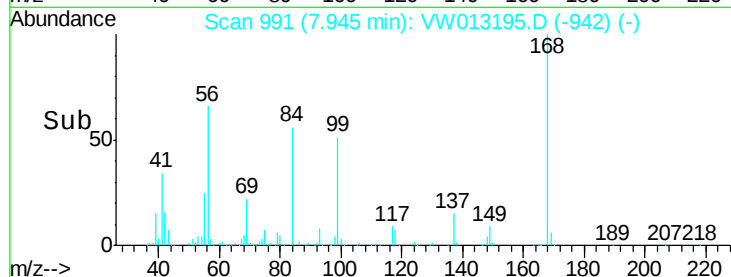
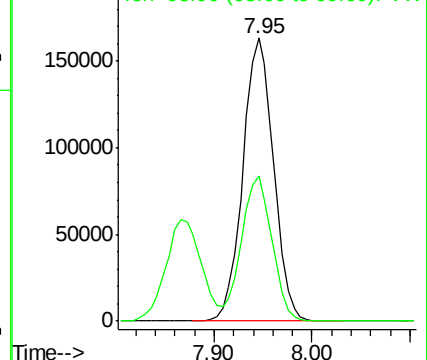
MMDadoda

9/24/2019 5:28:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.667 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013195.D

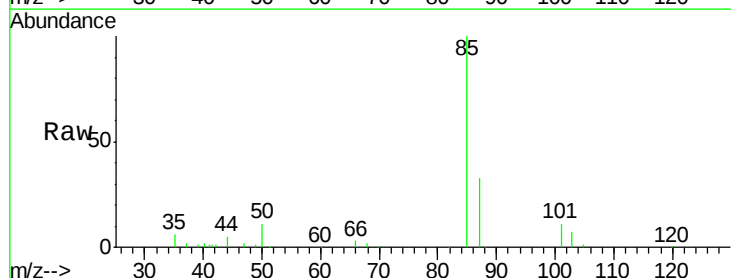
Acq: 20 Sep 2019 21:00

Tgt Ion: 85 Resp: 95366

Ion Ratio Lower Upper

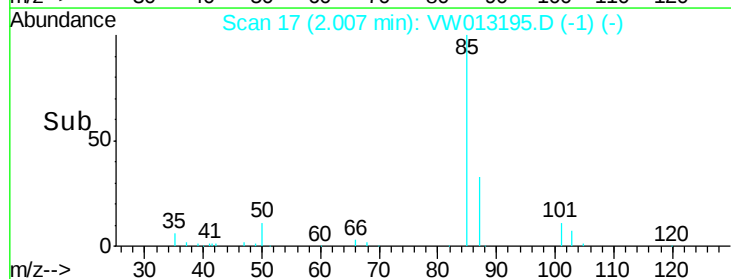
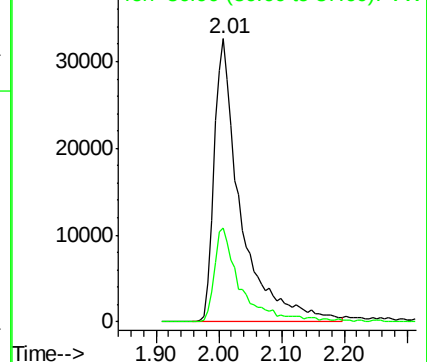
85 100

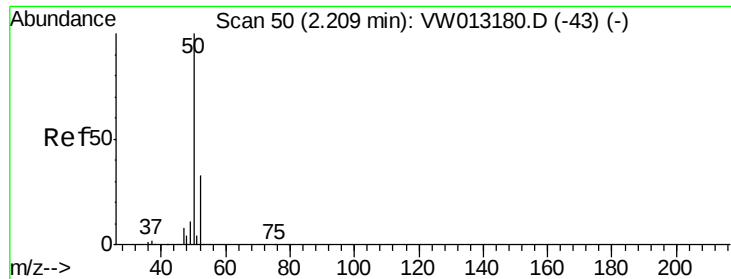
87 33.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.312 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 119032

Ion Ratio Lower Upper

50 100

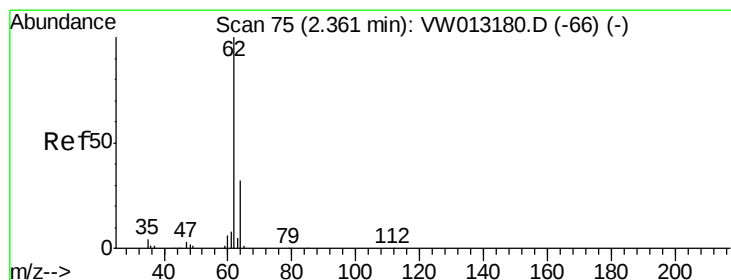
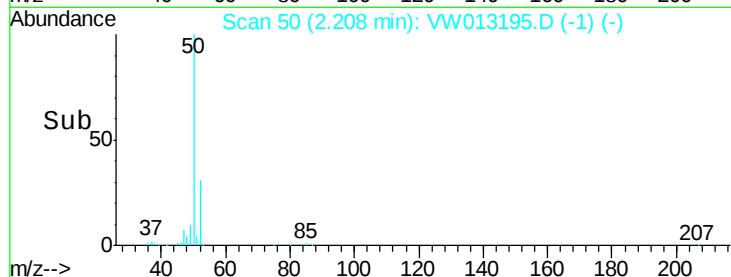
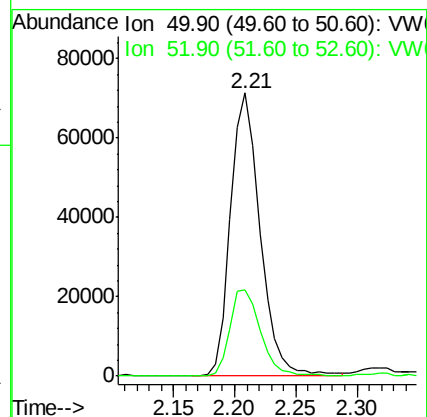
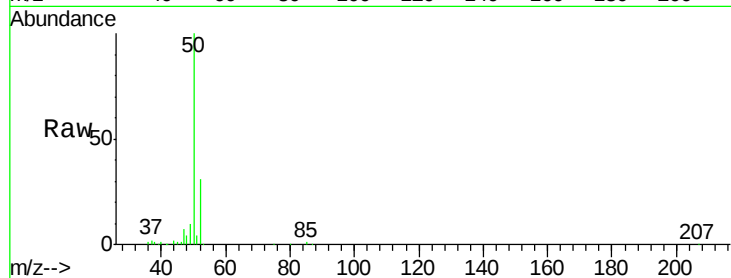
52 30.7 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

9/24/2019 5:28:57 AM



#4

Vinyl Chloride

Concen: 46.744 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013195.D

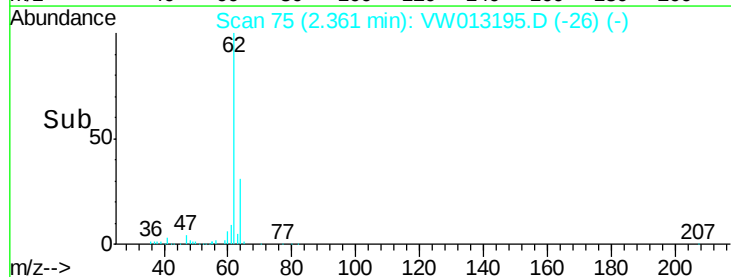
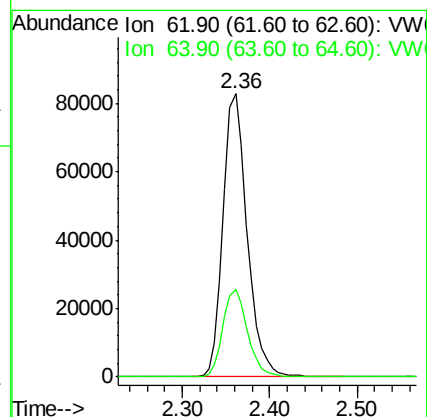
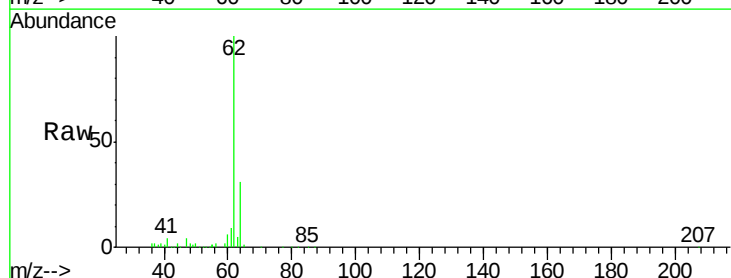
Acq: 20 Sep 2019 21:00

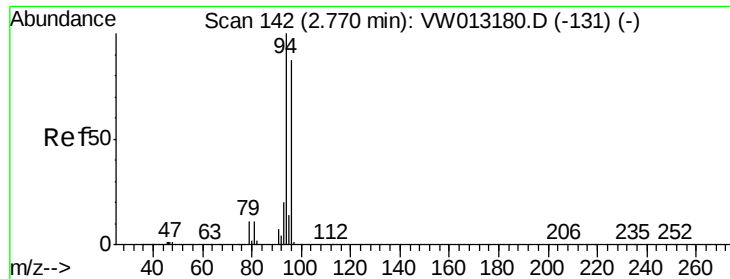
Tgt Ion: 62 Resp: 158305

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 46.628 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 100072

Ion Ratio Lower Upper

94 100

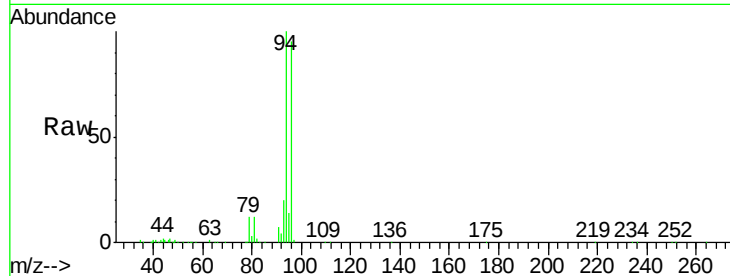
96 95.5 69.7 104.5

Manual Integrations

APPROVED

MMDadoda

9/24/2019 5:28:57 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

60000

50000

40000

30000

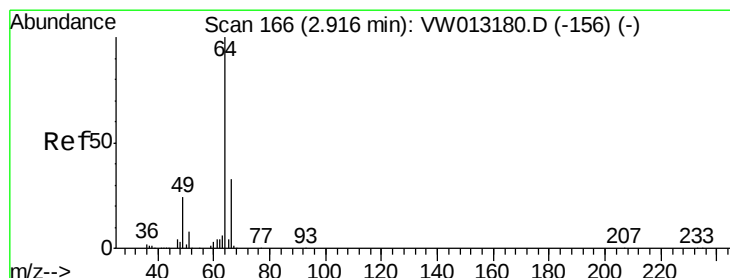
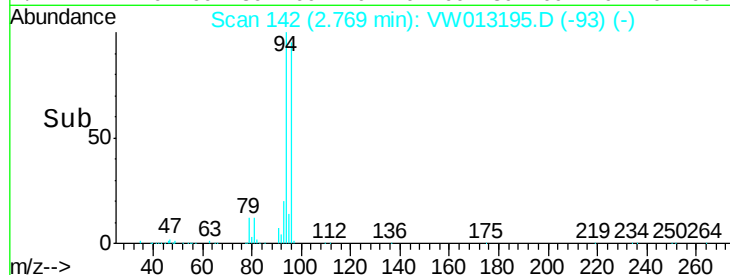
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 46.670 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013195.D

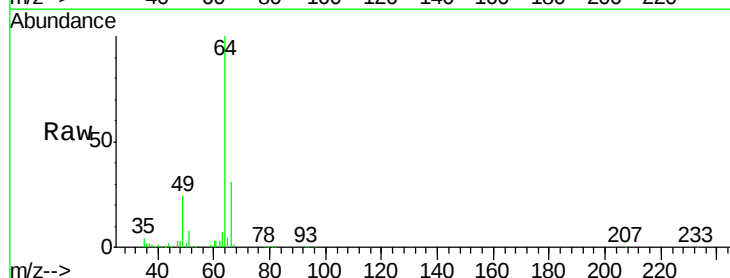
Acq: 20 Sep 2019 21:00

Tgt Ion: 64 Resp: 93166

Ion Ratio Lower Upper

64 100

66 31.0 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

40000

30000

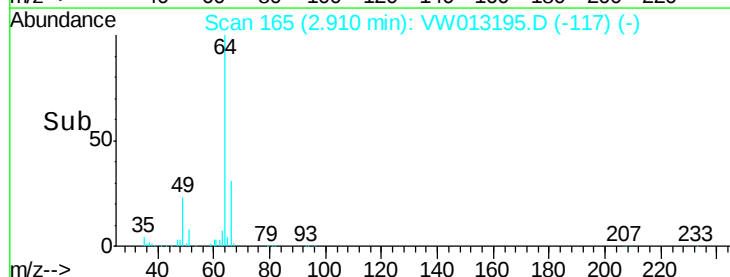
20000

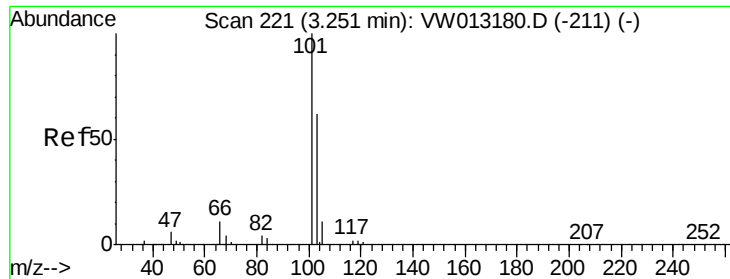
10000

0

Time-->

2.80 2.90 3.00





#7

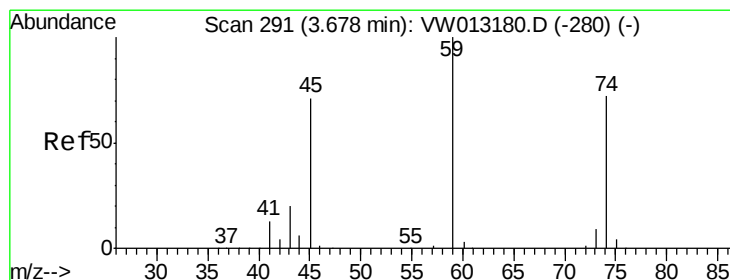
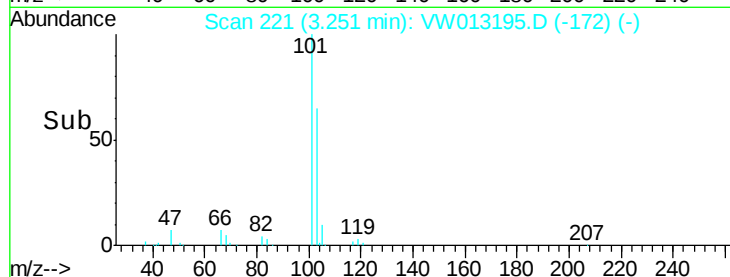
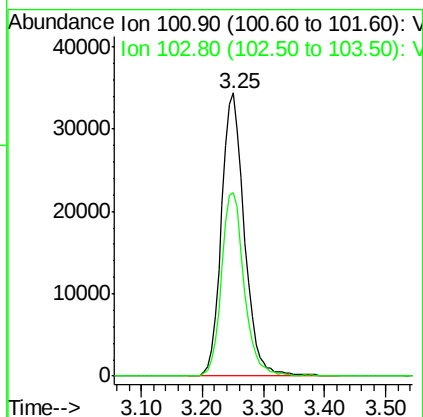
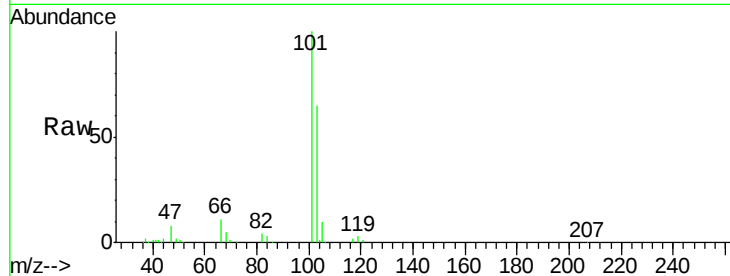
Trichlorofluoromethane
Concen: 45.695 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	49.7	74.5

Manual Integrations
APPROVED

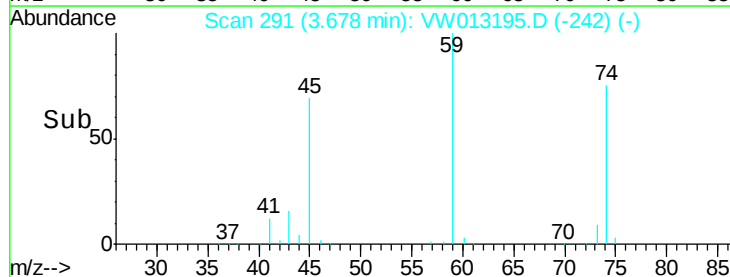
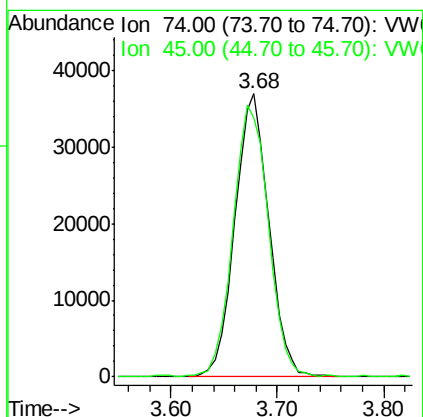
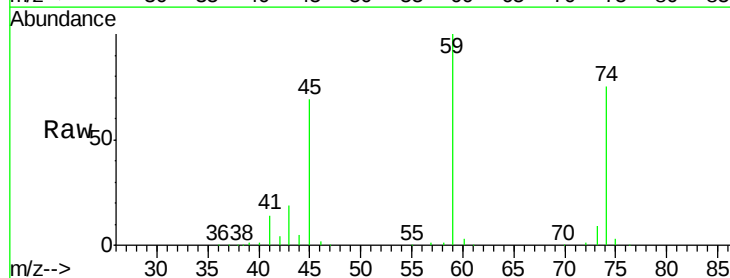
MMDadoda
9/24/2019 5:28:57 AM

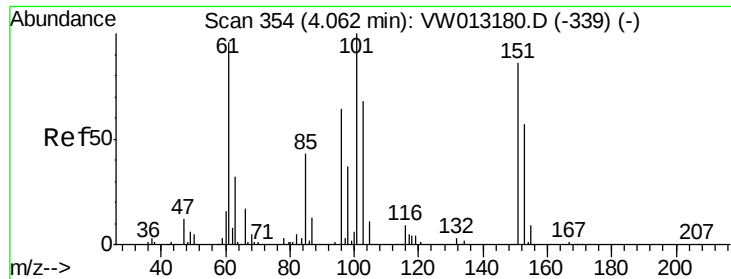


#8

Diethyl Ether
Concen: 49.613 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.166 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

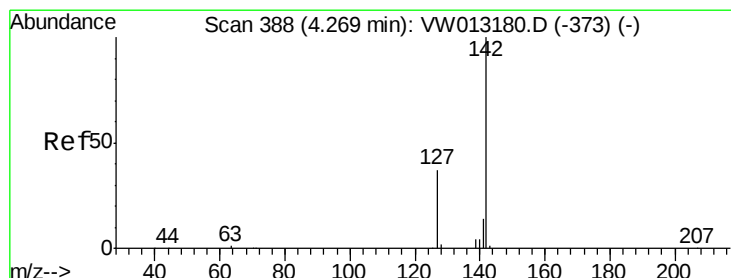
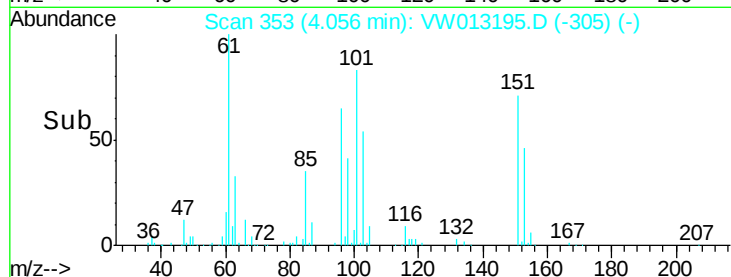
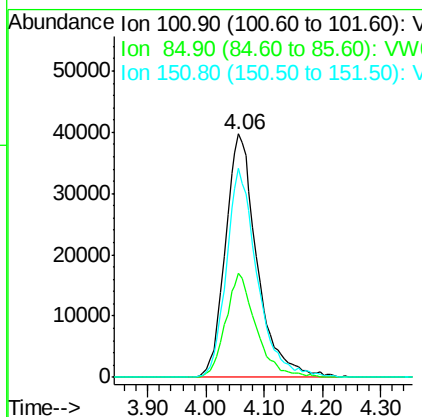
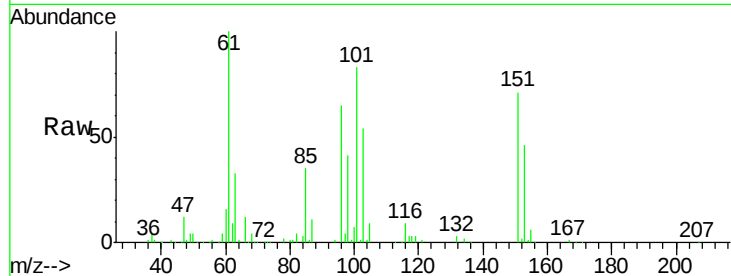
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	149958
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.0
151	83.9	66.9	100.3

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#10

Methyl Iodide

Concen: 48.217 ug/l

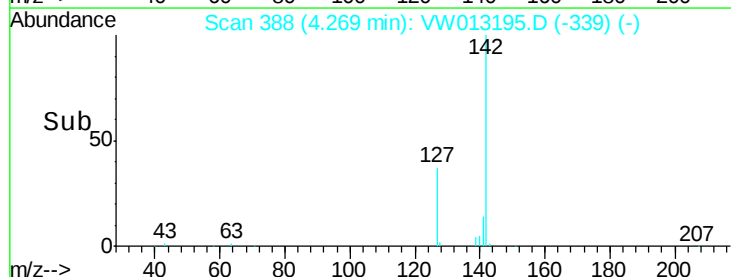
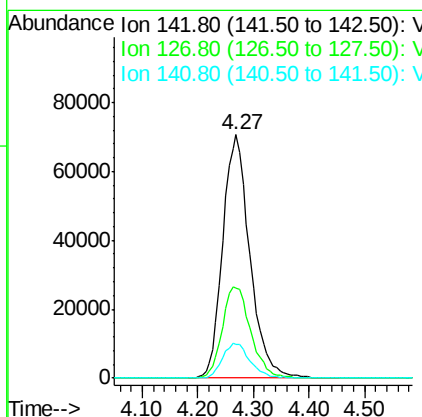
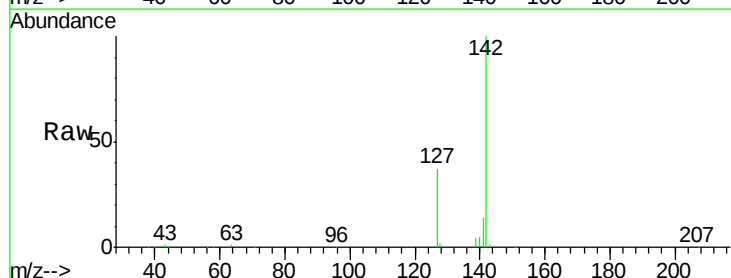
RT: 4.27 min Scan# 388

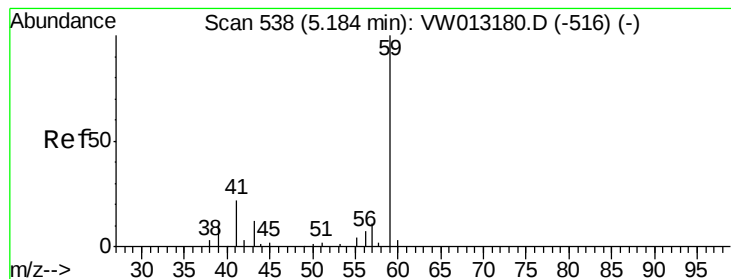
Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tgt Ion:	142	Resp:	237673
Ion Ratio	Lower	Upper	
142	100		
127	39.4	30.9	46.3
141	14.6	11.7	17.5





#11

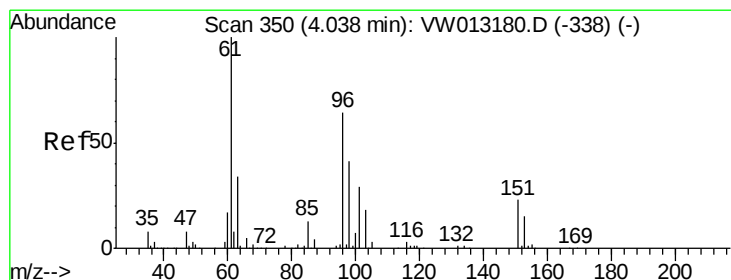
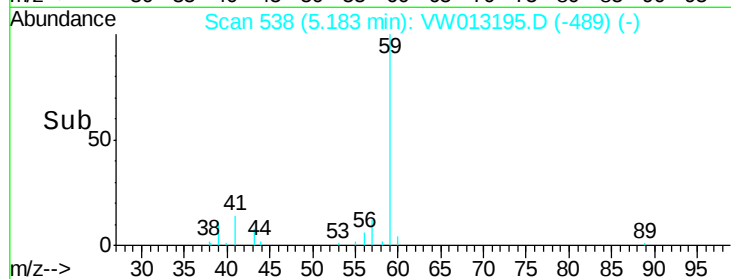
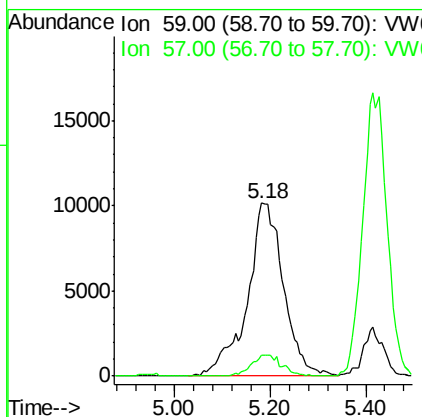
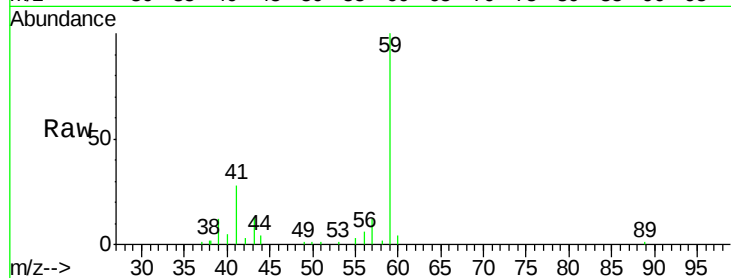
Tert butyl alcohol
 Concen: 257.883 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
 APPROVED

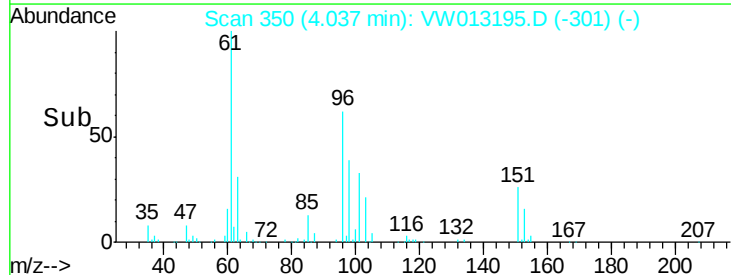
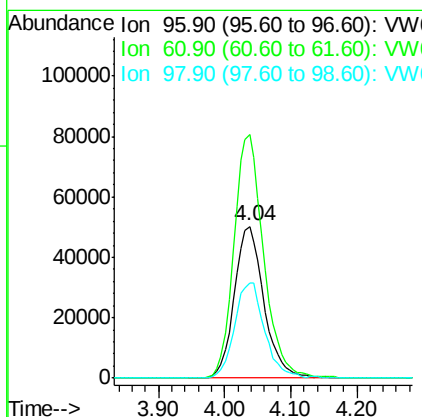
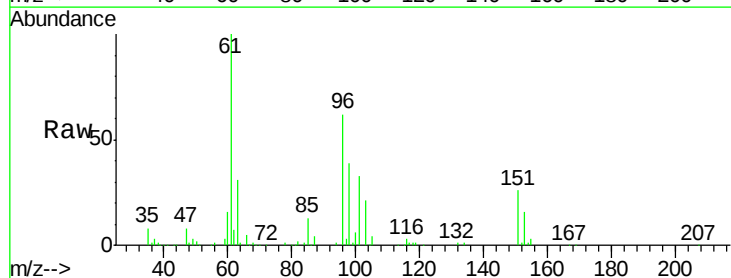
MMDadoda
 9/24/2019 5:28:57 AM

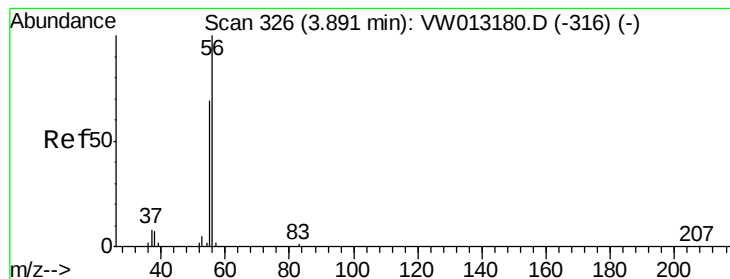


#12

1,1-Dichloroethene
 Concen: 47.431 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	125.1	187.7
98	63.0	50.8	76.2





#13

Acrolein

Concen: 251.619 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41880

Ion Ratio Lower Upper

56 100

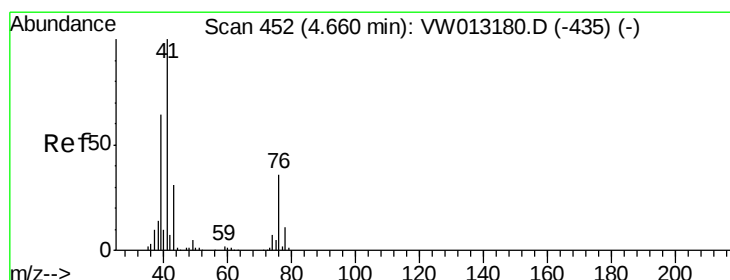
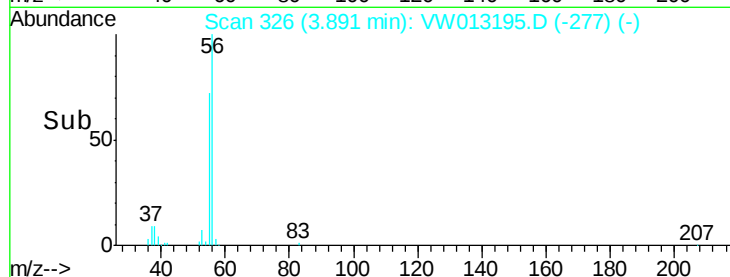
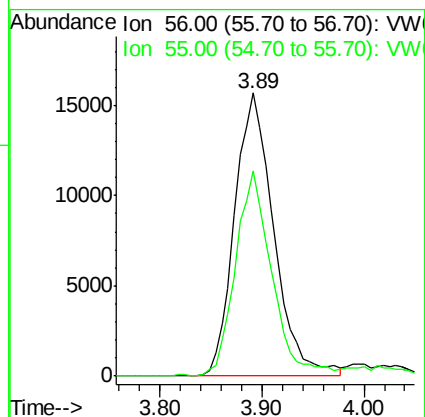
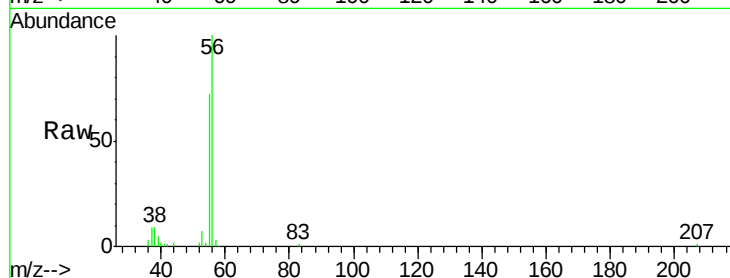
55 66.7 55.4 83.0

Manual Integrations

APPROVED

MMDadoda

9/24/2019 5:28:57 AM



#14

Allyl chloride

Concen: 48.299 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

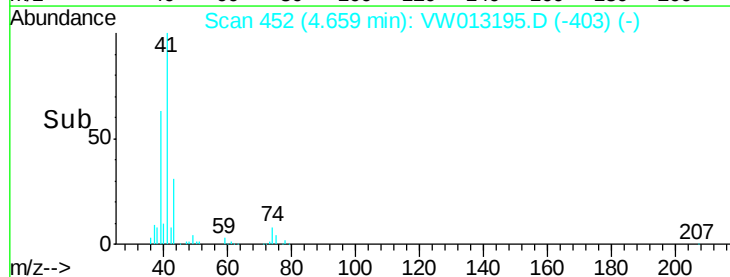
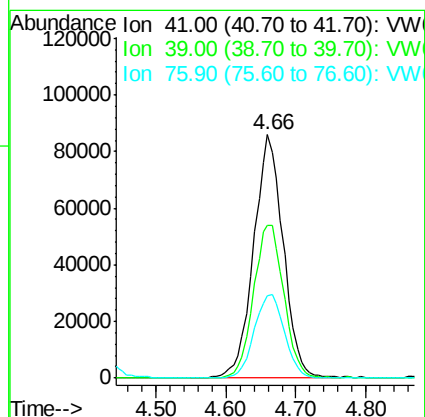
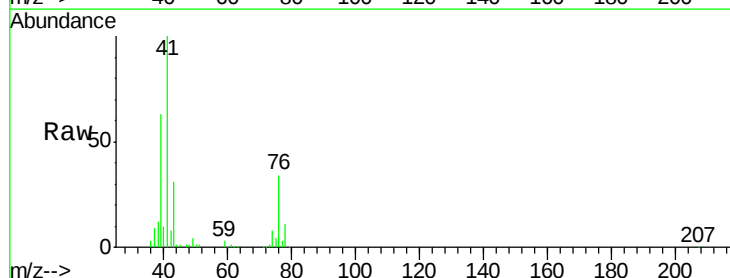
Tgt Ion: 41 Resp: 253072

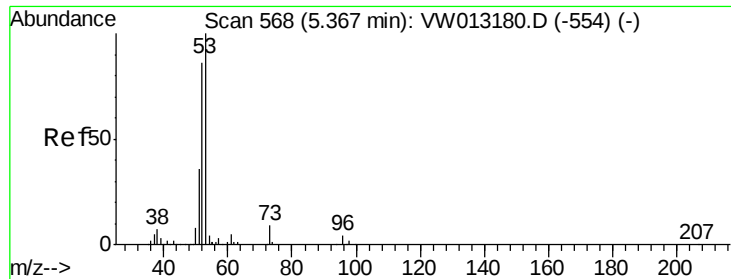
Ion Ratio Lower Upper

41 100

39 64.4 51.0 76.4

76 35.1 28.4 42.6





#15

Acrylonitrile

Concen: 255.212 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

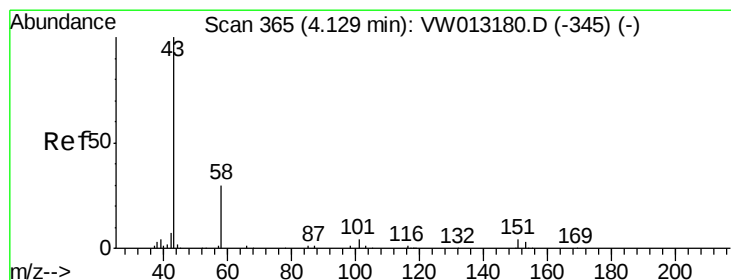
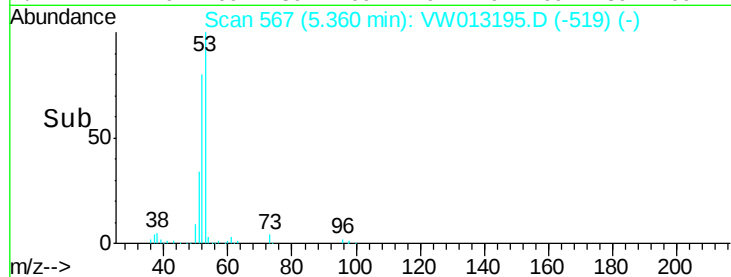
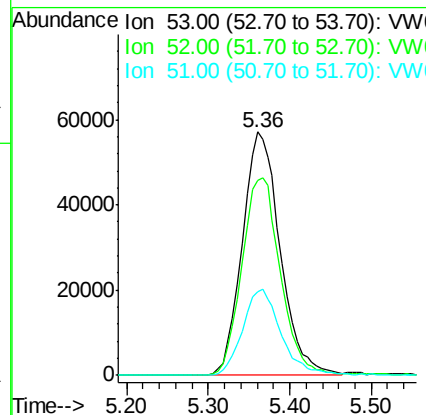
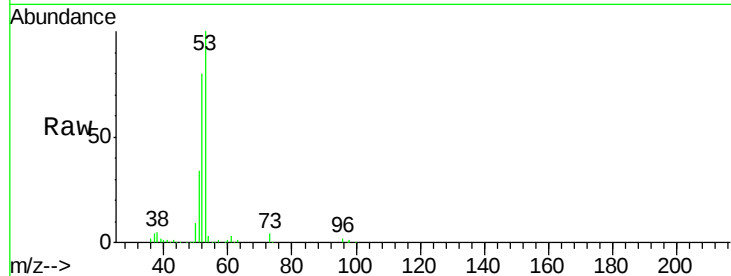
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	183741
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.3	97.9
51	35.9	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#16

Acetone

Concen: 231.236 ug/l

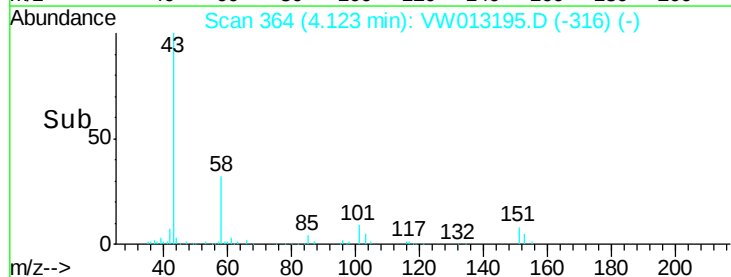
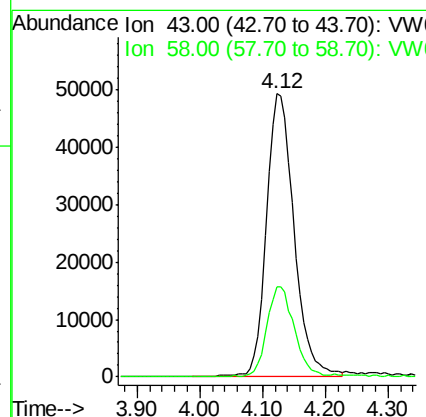
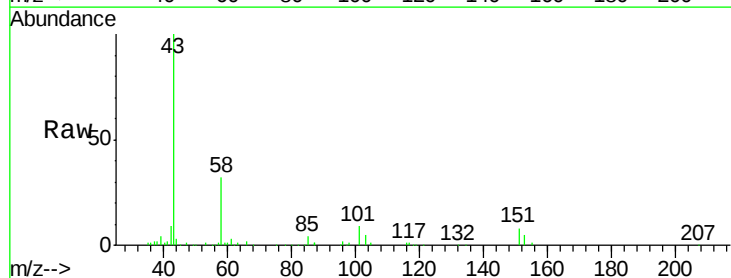
RT: 4.12 min Scan# 364

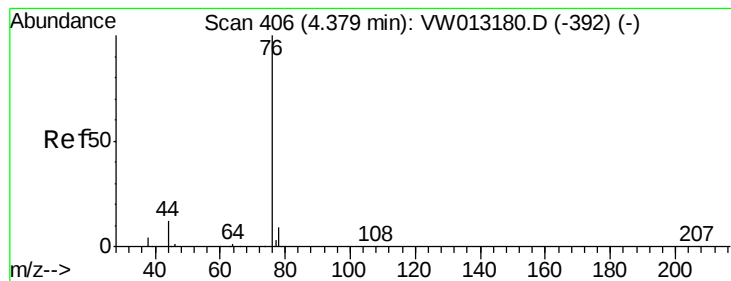
Delta R.T. -0.01 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tgt Ion:	43	Resp:	150774
Ion Ratio	Lower	Upper	
43	100		
58	31.6	24.1	36.1





#17

Carbon Disulfide

Concen: 47.903 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 455840

Ion Ratio Lower Upper

76 100

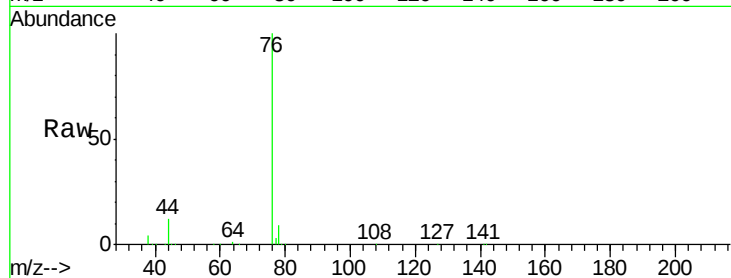
78 8.7 7.0 10.4

Manual Integrations

APPROVED

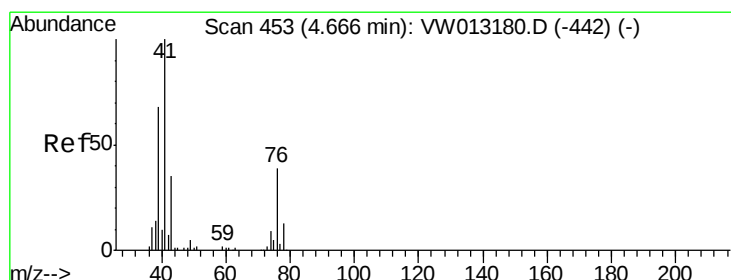
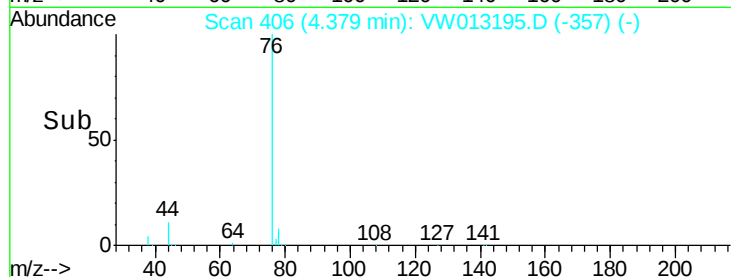
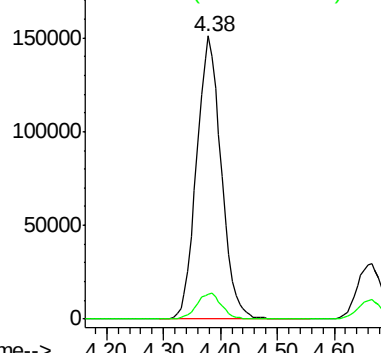
MMDadoda

9/24/2019 5:28:57 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 49.374 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013195.D

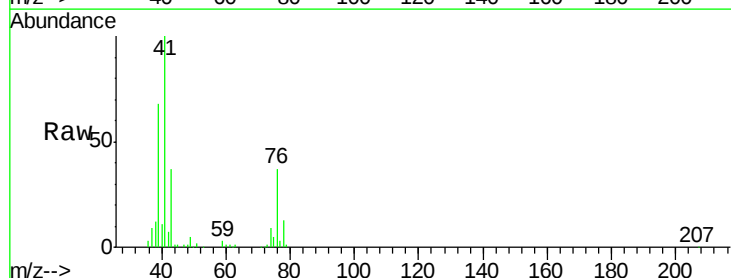
Acq: 20 Sep 2019 21:00

Tgt Ion: 43 Resp: 90496

Ion Ratio Lower Upper

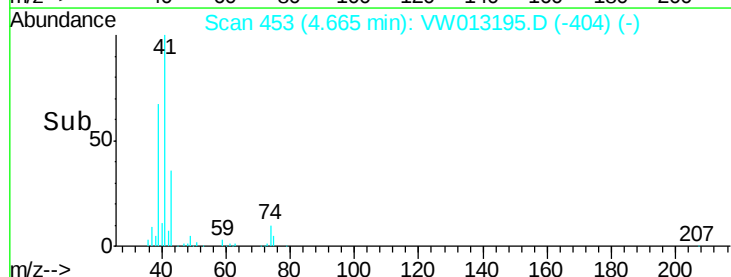
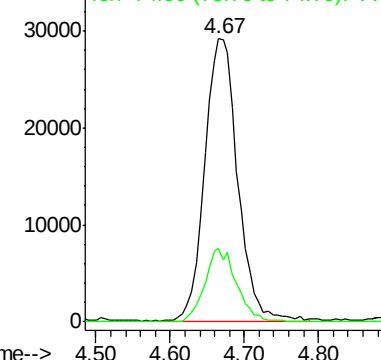
43 100

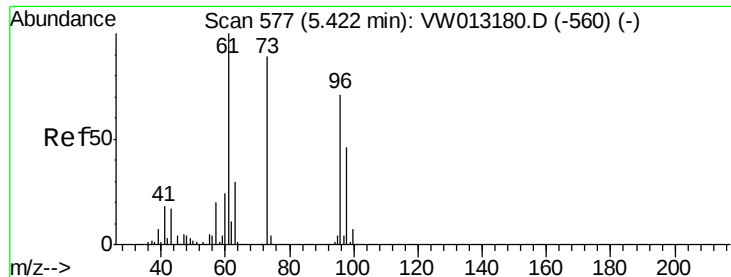
74 24.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

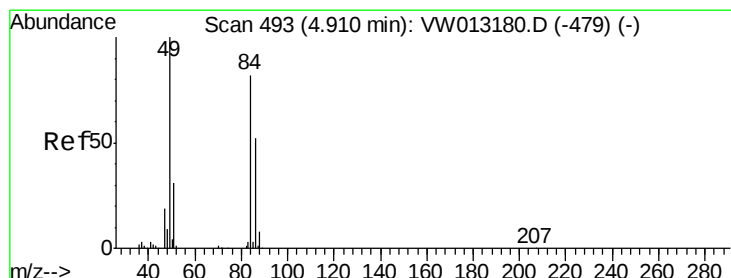
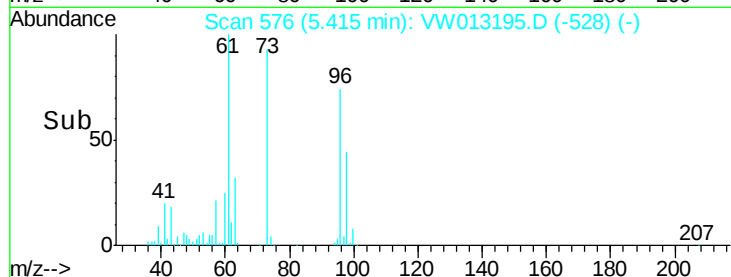
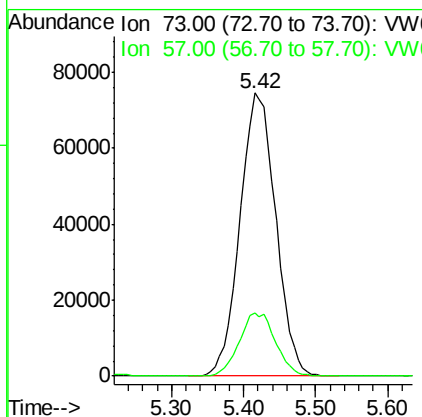
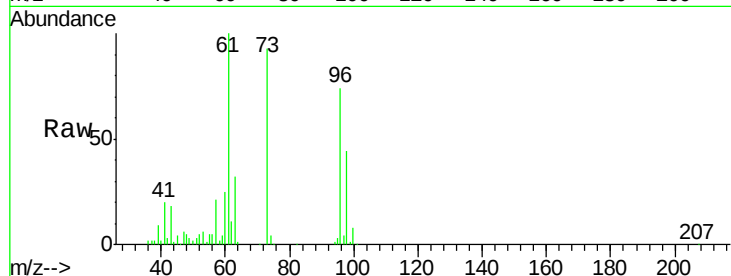
Methyl tert-butyl Ether
 Concen: 51.009 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.6	26.4

Manual Integrations
 APPROVED

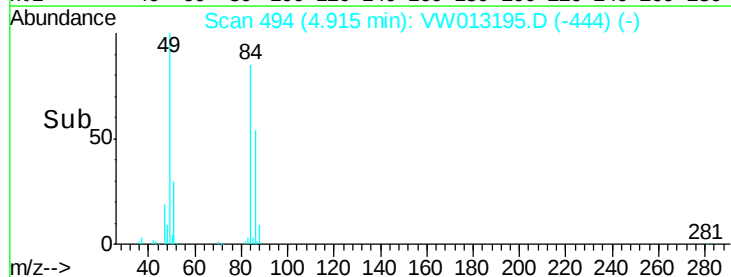
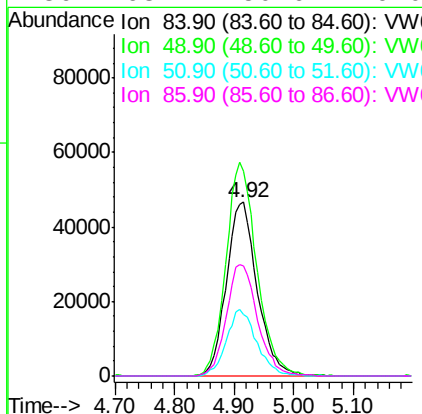
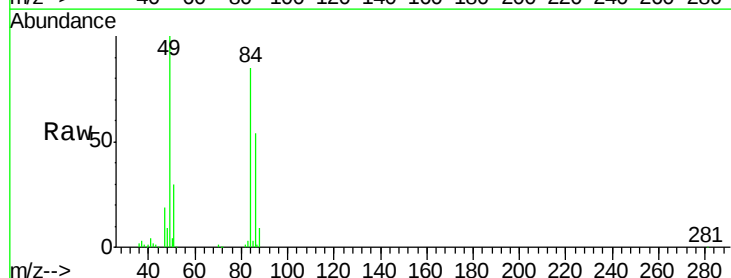
MMDadoda
 9/24/2019 5:28:57 AM

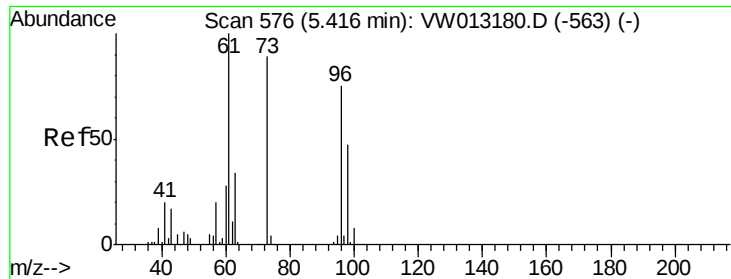


#20

Methylene Chloride
 Concen: 50.234 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.9	97.6	146.4
51	35.7	30.2	45.2
86	63.1	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 49.401 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

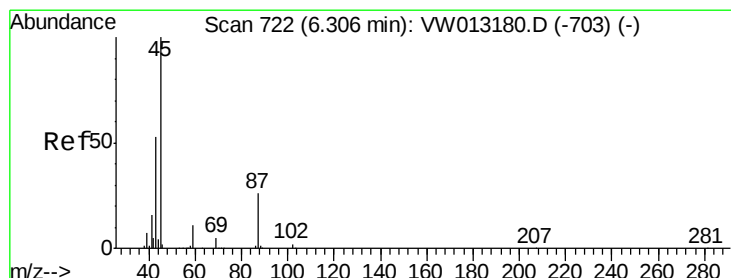
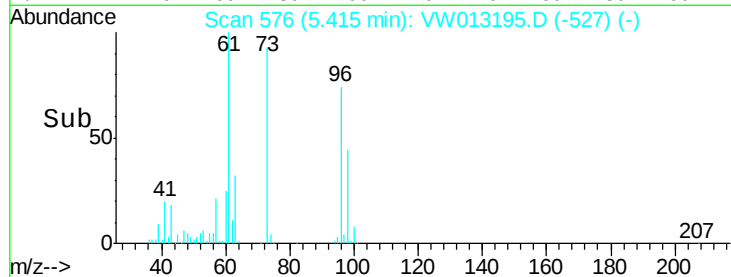
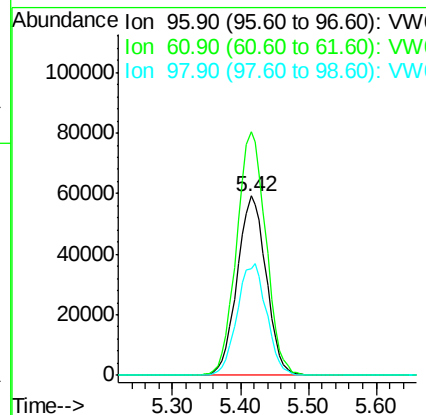
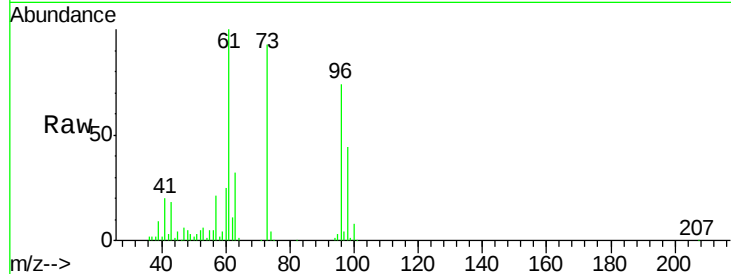
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	175787
Ion	Ratio	Lower	Upper
96	100		
61	135.7	106.6	159.8
98	59.5	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#22

Diisopropyl ether

Concen: 50.287 ug/l

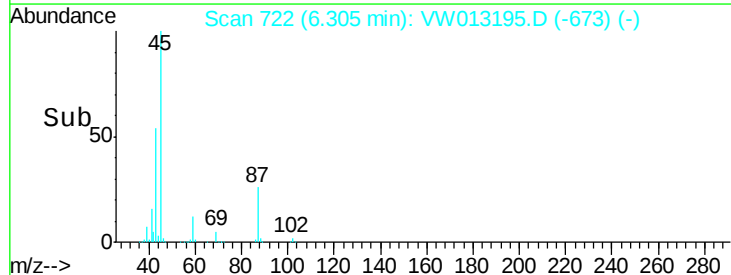
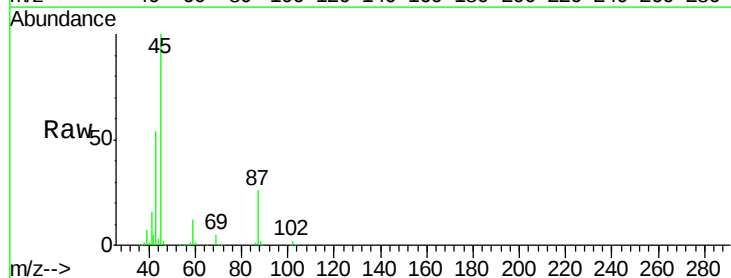
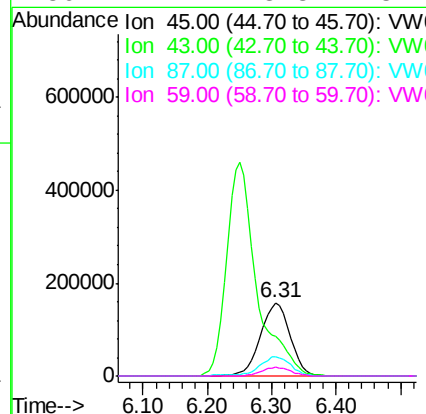
RT: 6.31 min Scan# 722

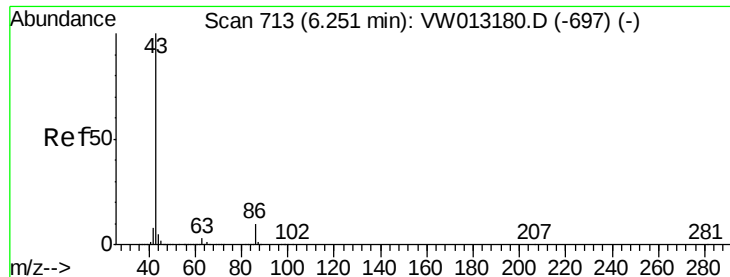
Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tgt Ion:	45	Resp:	501047
Ion	Ratio	Lower	Upper
45	100		
43	53.5	42.4	63.6
87	26.3	20.4	30.6
59	11.7	8.8	13.2





#23

Vinyl Acetate

Concen: 256.402 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tot Ion: 43 Resp: 1515599

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5

Instrument :

MSVOA_W

ClientSampleId :

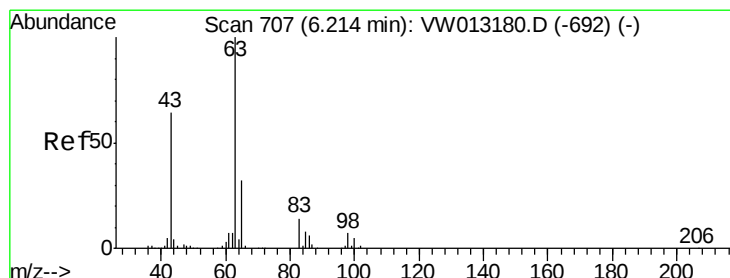
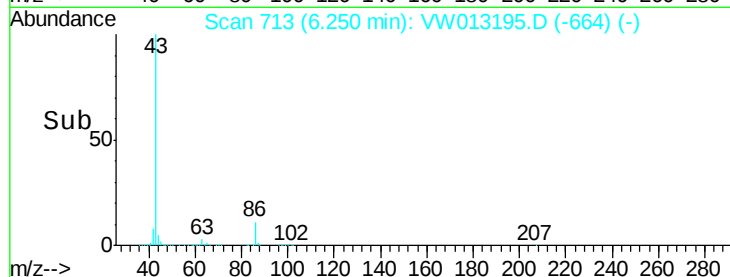
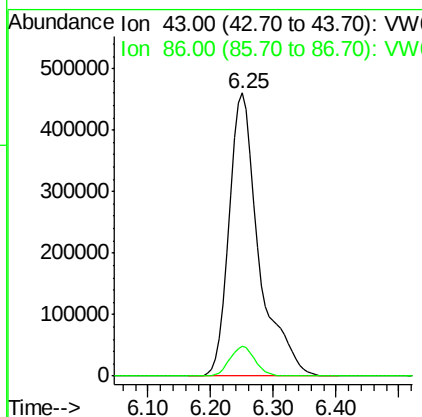
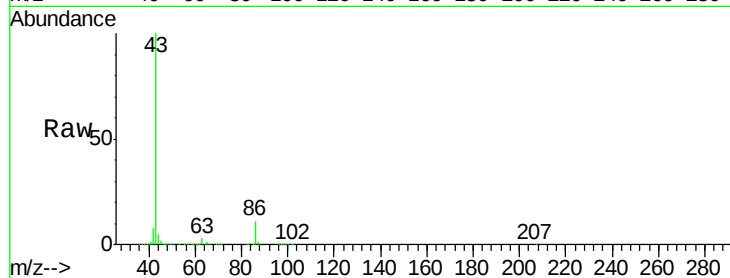
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

9/24/2019 5:28:57 AM



#24

1,1-Dichloroethane

Concen: 49.806 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

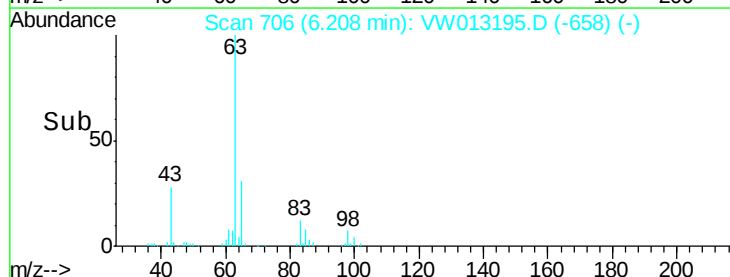
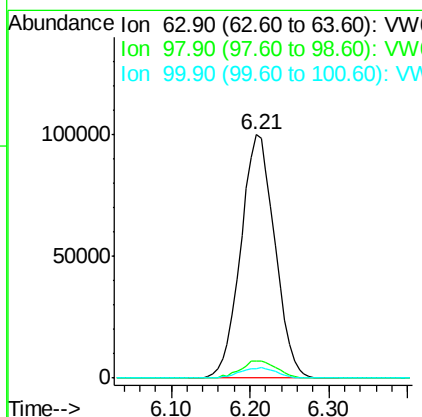
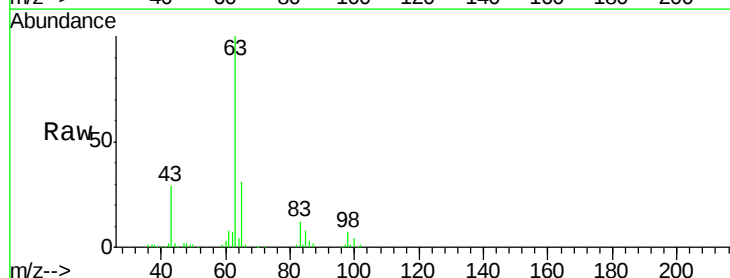
Tgt Ion: 63 Resp: 299451

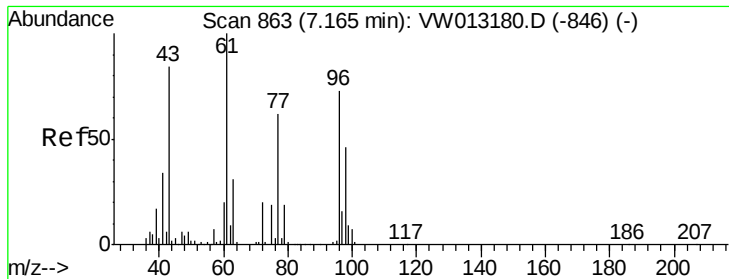
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 241.142 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 236032

Ion Ratio Lower Upper

43 100

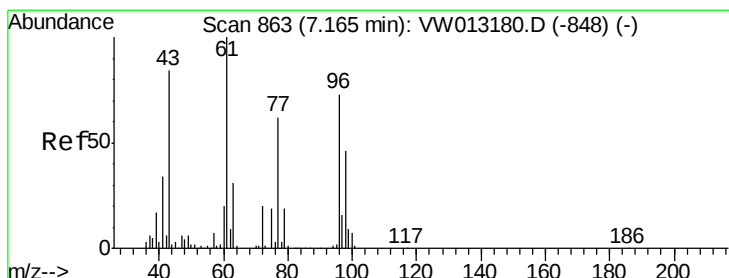
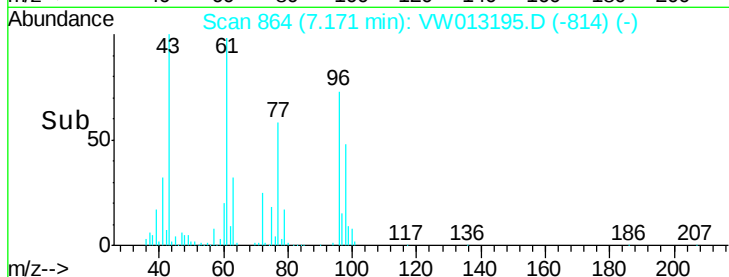
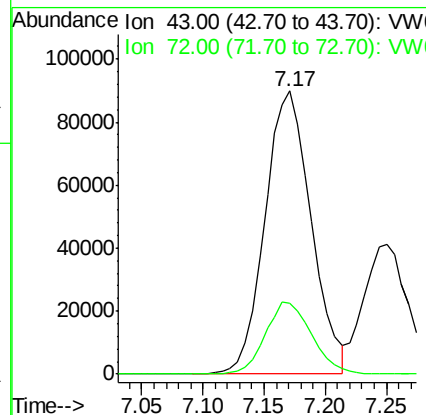
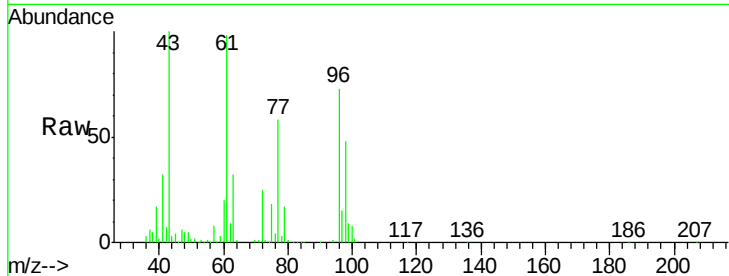
72 25.2 19.4 29.0

Manual Integrations

APPROVED

MMDadoda

9/24/2019 5:28:57 AM



#26

2,2-Dichloropropane

Concen: 47.081 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013195.D

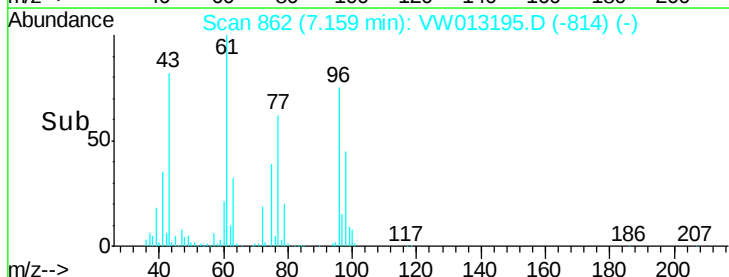
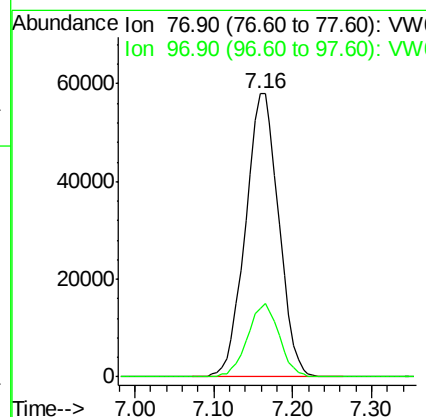
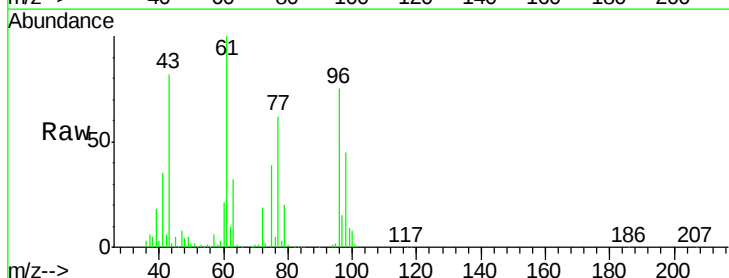
Acq: 20 Sep 2019 21:00

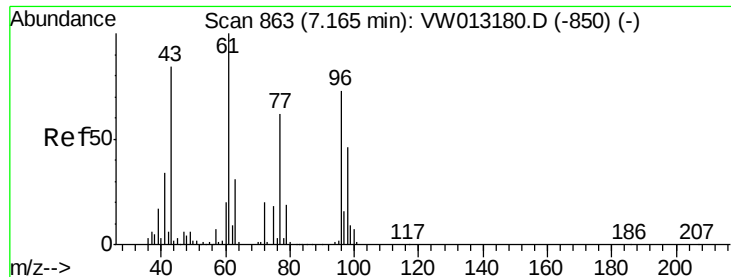
Tgt Ion: 77 Resp: 170069

Ion Ratio Lower Upper

77 100

97 24.6 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 50.525 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

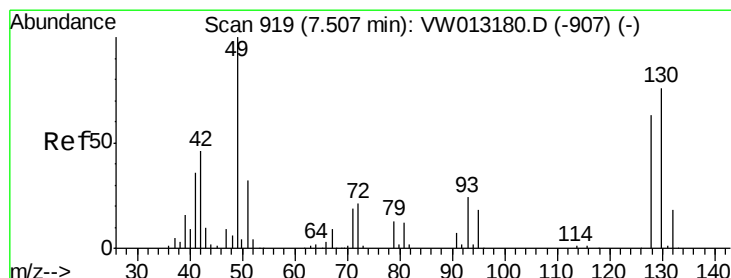
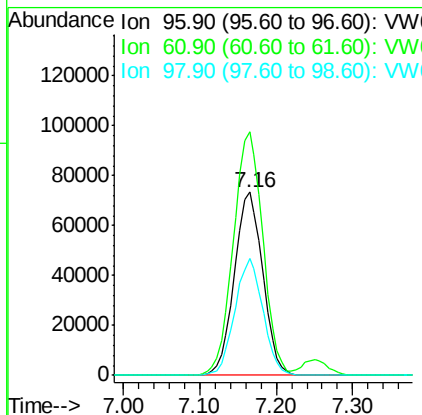
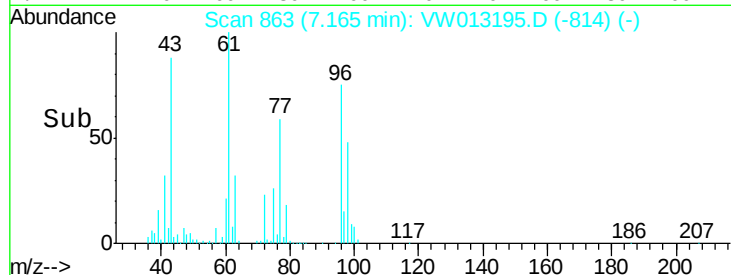
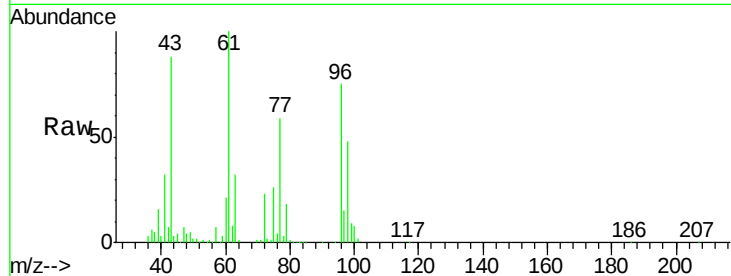
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	189734
Ion Ratio	Lower	Upper	
96	100		
61	137.6	0.0	282.4
98	63.1	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#28

Bromochloromethane

Concen: 53.492 ug/l

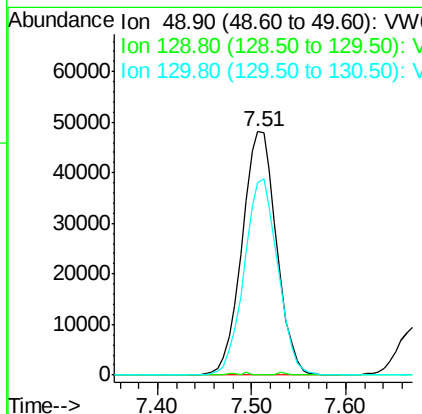
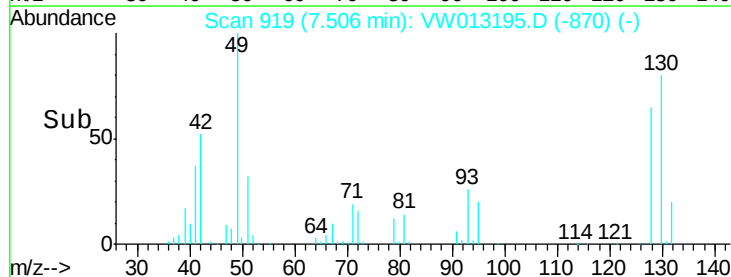
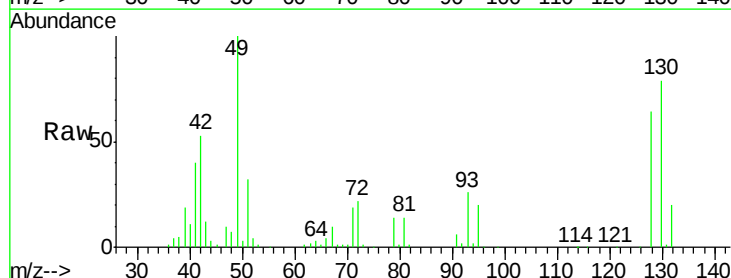
RT: 7.51 min Scan# 919

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tgt Ion:	49	Resp:	123435
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	1.0
130	78.8	63.4	95.2





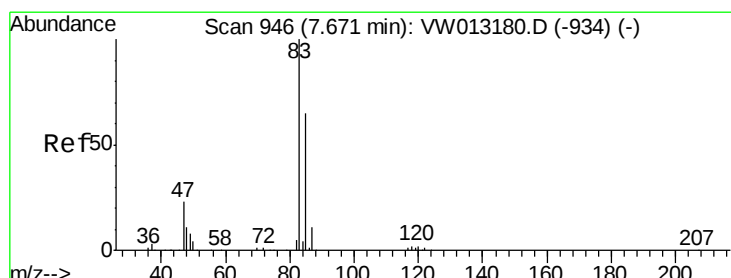
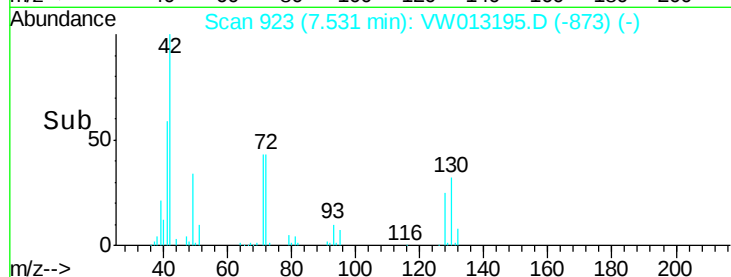
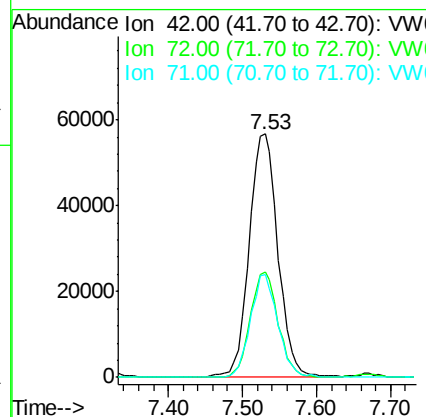
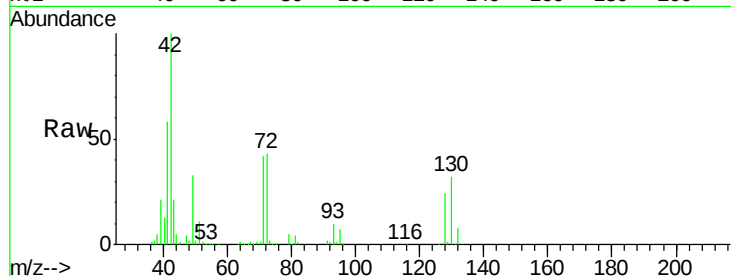
#29
Tetrahydrofuran
Concen: 256.590 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.9	50.9
71	40.1	31.9	47.9

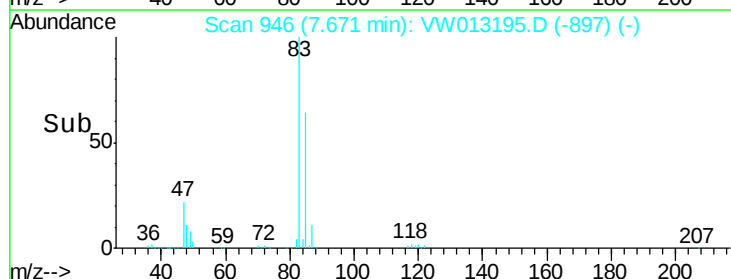
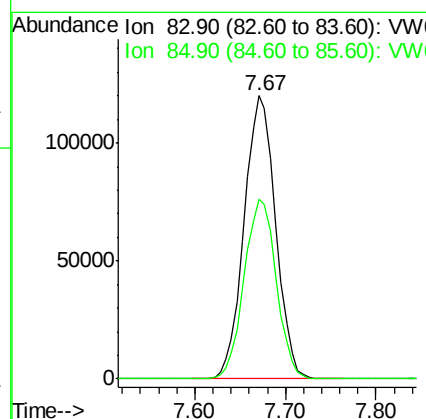
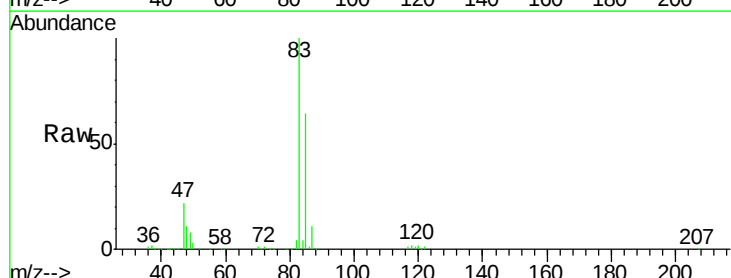
Manual Integrations
APPROVED

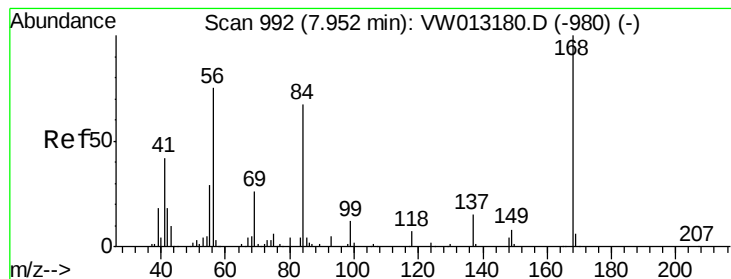
MMDadoda
9/24/2019 5:28:57 AM



#30
Chloroform
Concen: 49.063 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5





#31

Cyclohexane

Concen: 45.969 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

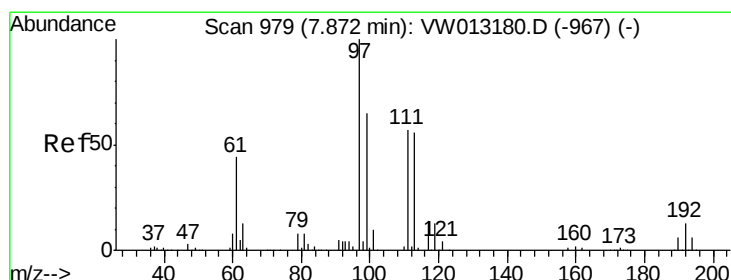
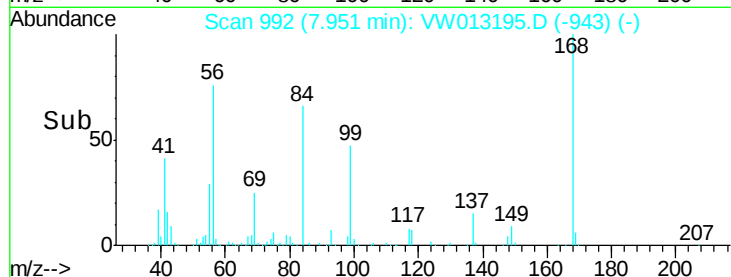
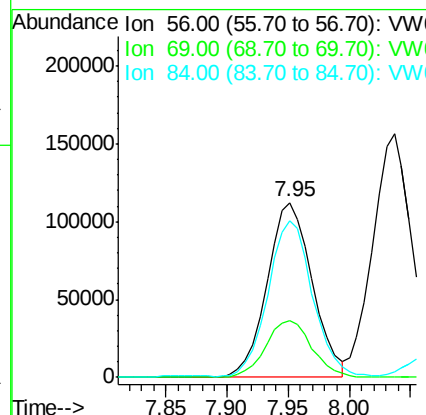
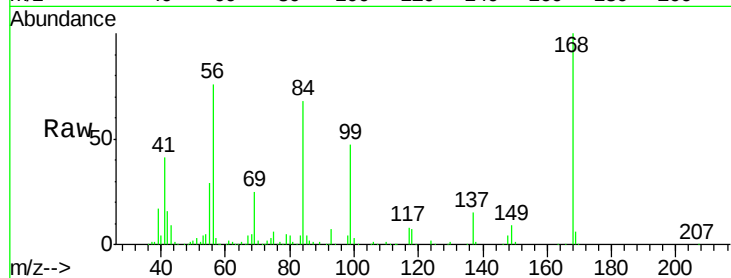
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	288101
Ion Ratio	Lower	Upper	
56	100		
69	32.8	27.2	40.8
84	88.6	70.8	106.2

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#32

1,1,1-Trichloroethane

Concen: 48.396 ug/l

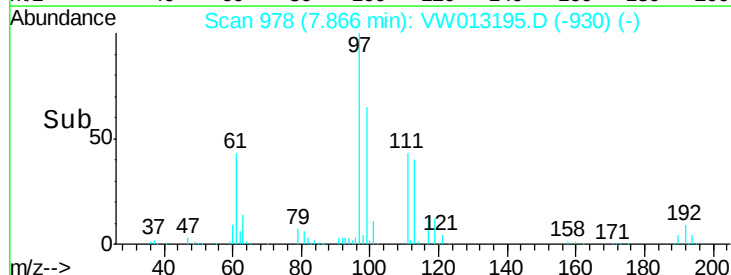
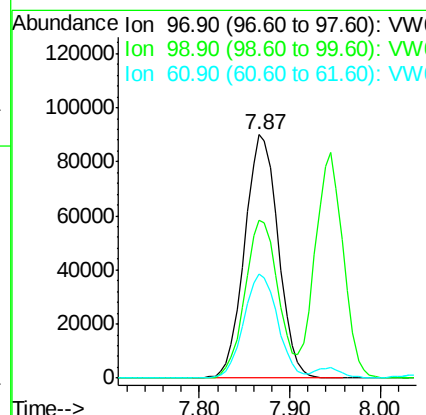
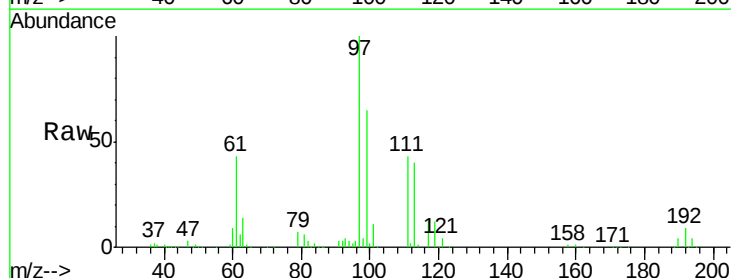
RT: 7.87 min Scan# 978

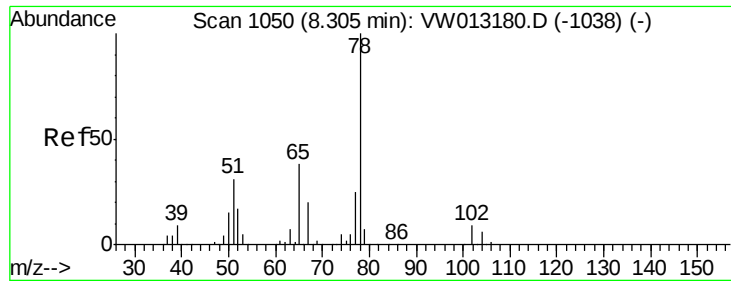
Delta R.T. -0.01 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tgt Ion:	97	Resp:	230728
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.7	77.5
61	42.9	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 49.824 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 144060

Ion Ratio Lower Upper

65 100

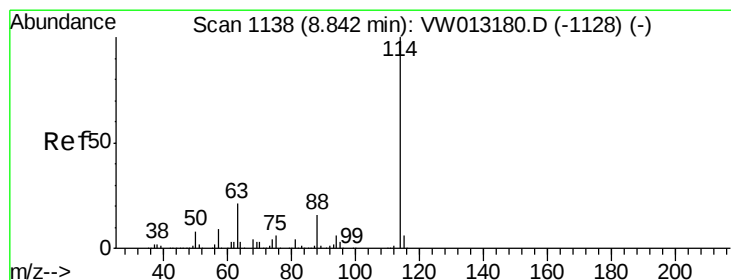
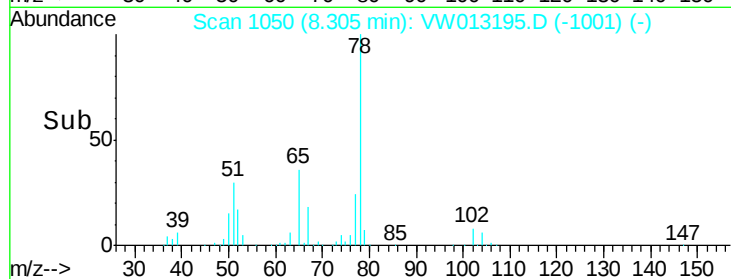
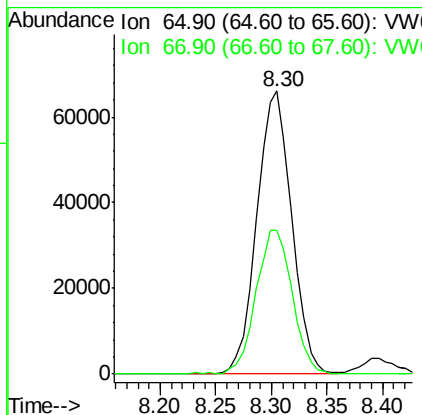
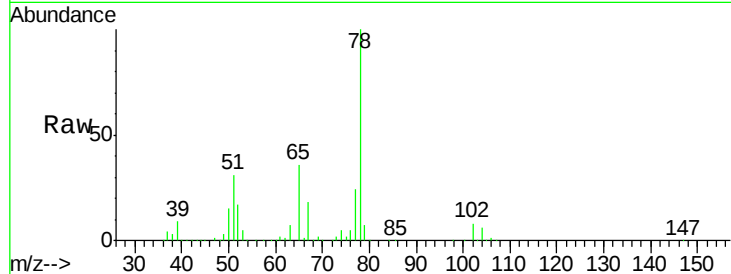
67 52.8 0.0 106.2

Manual Integrations

APPROVED

MMDadoda

9/24/2019 5:28:57 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

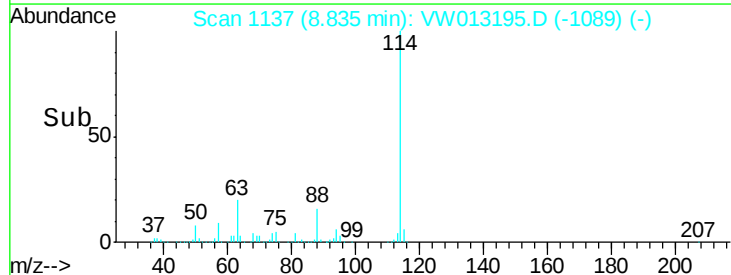
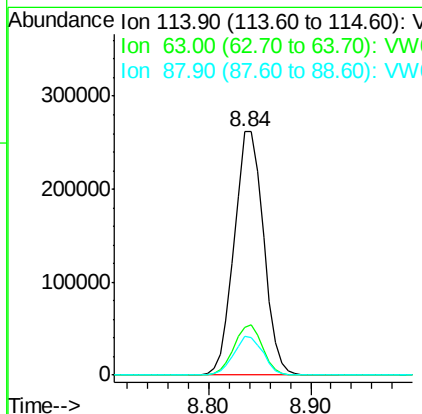
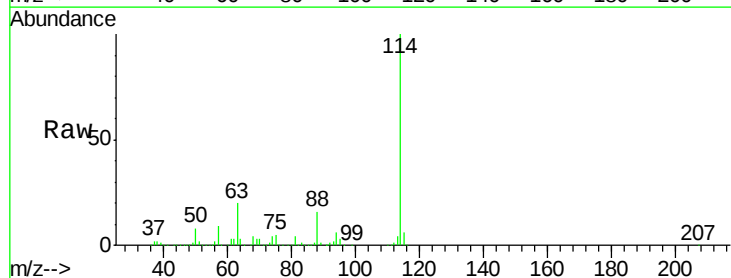
Tgt Ion: 114 Resp: 522300

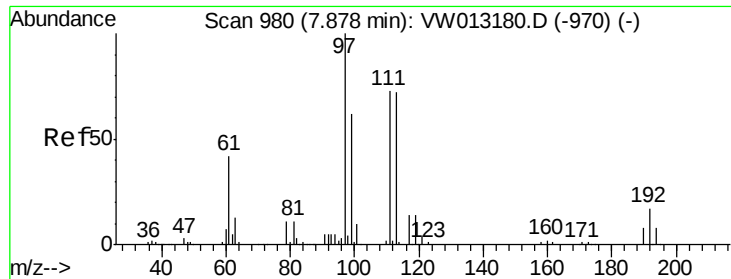
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

88 15.9 0.0 32.0





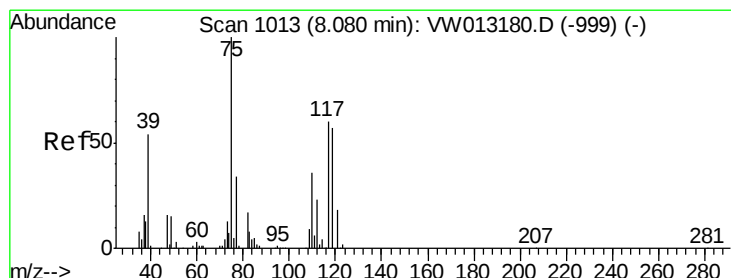
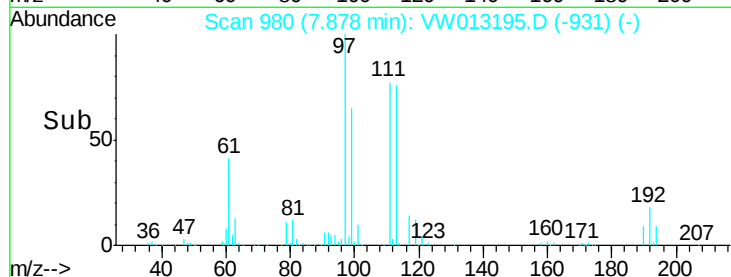
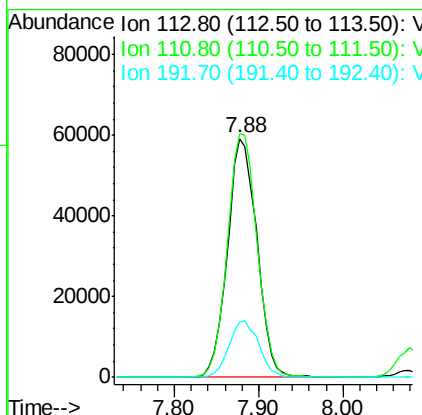
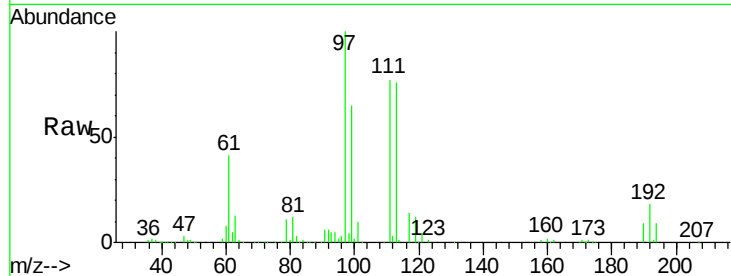
#35
 Dibromofluoromethane
 Concen: 48.909 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140498		
111	102.9	81.9	122.9	
192	24.0	19.1	28.7	

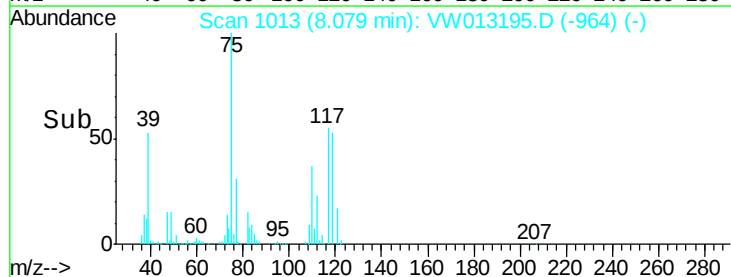
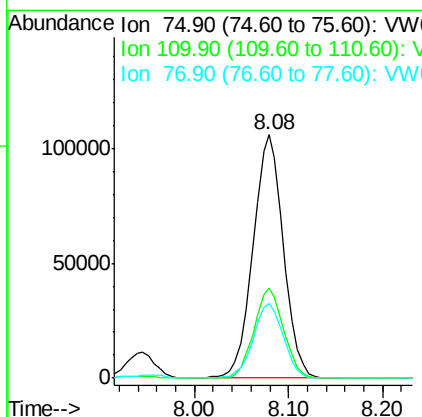
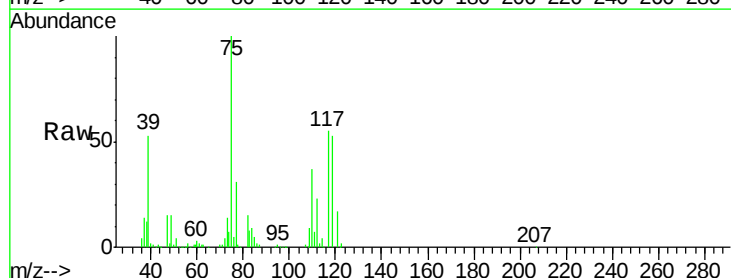
Manual Integrations
 APPROVED

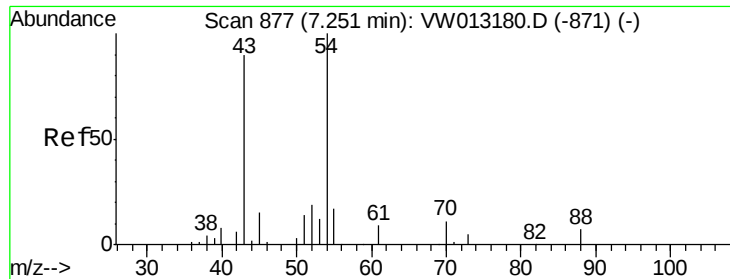
MMDadoda
 9/24/2019 5:28:57 AM



#36
 1,1-Dichloropropene
 Concen: 47.250 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	239031		
110	36.1	18.1	54.3	
77	30.8	25.8	38.6	





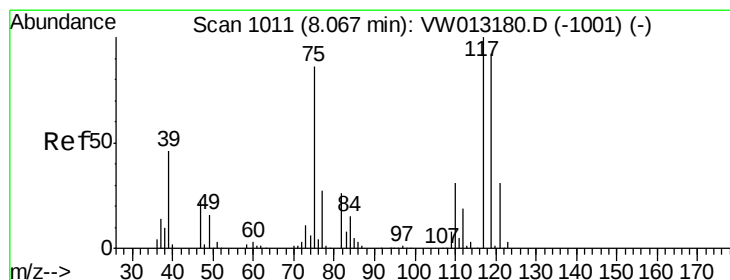
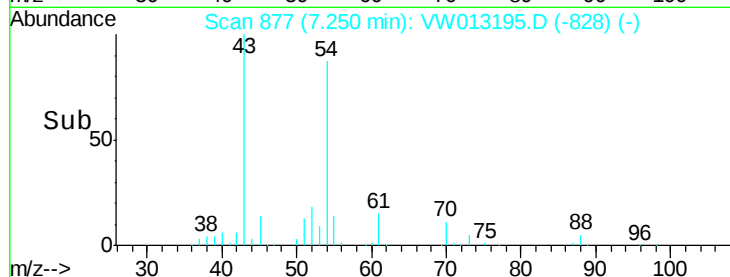
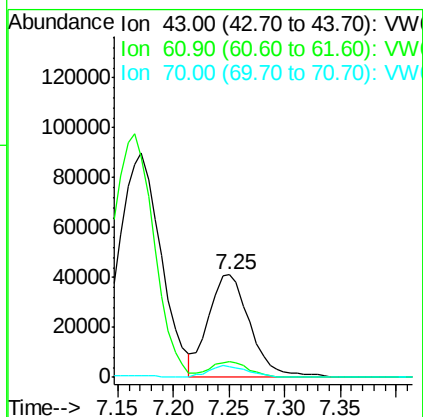
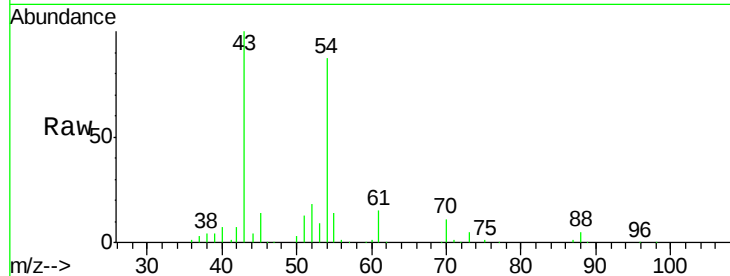
#37
Ethyl Acetate
Concen: 49.193 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	11.0	8.2	12.2

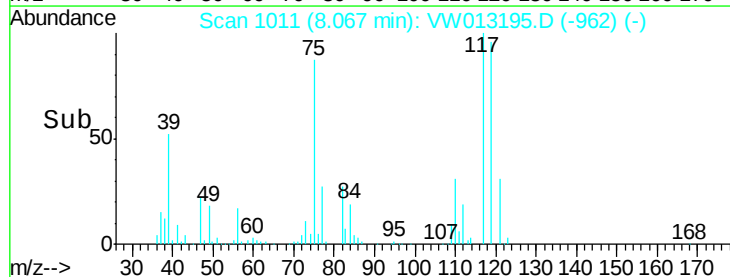
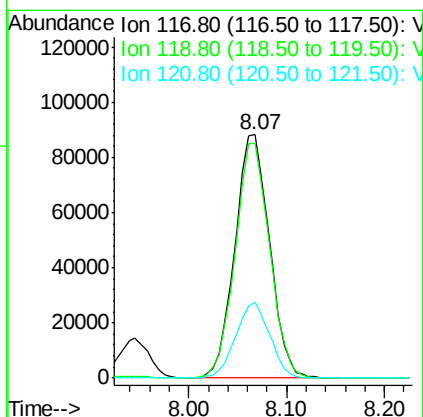
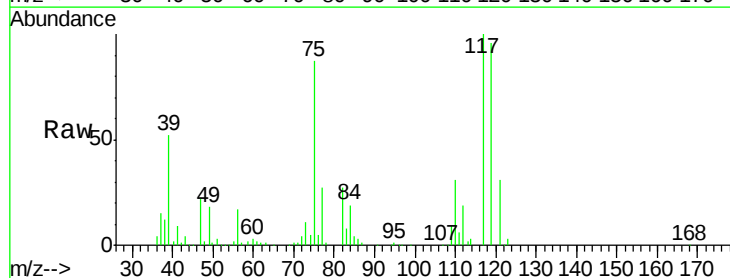
Manual Integrations
APPROVED

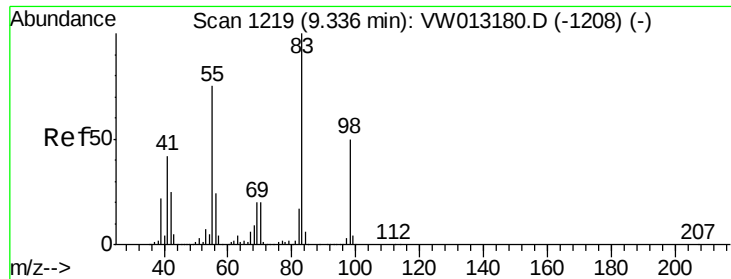
MMDadoda
9/24/2019 5:28:57 AM



#38
Carbon Tetrachloride
Concen: 47.765 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	73.5	110.3
121	31.3	25.0	37.6





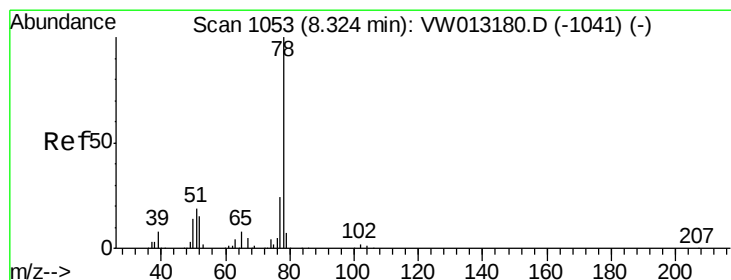
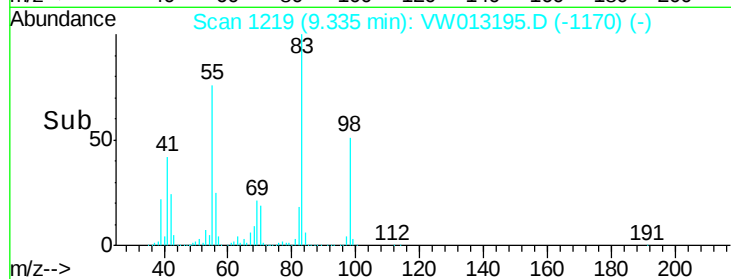
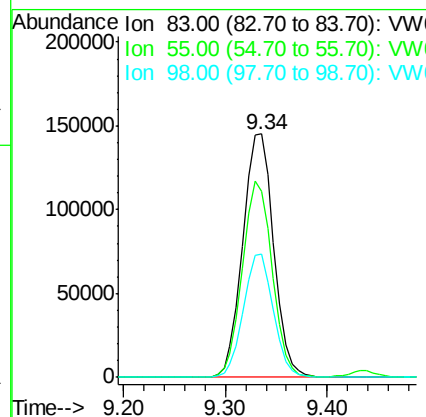
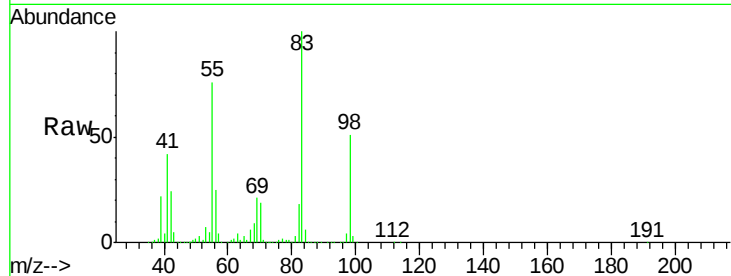
#39
Methvlcvclohexane
Concen: 47.098 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	306194		
55	76.2		60.4	90.6
98	50.5		40.0	60.0

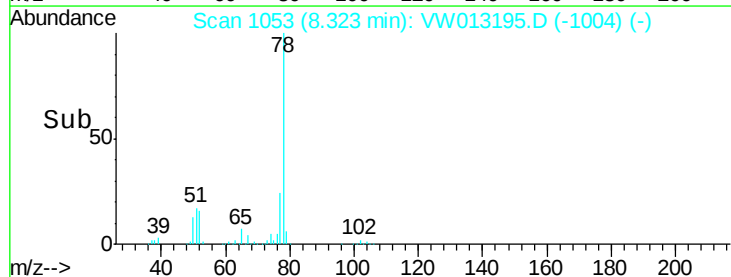
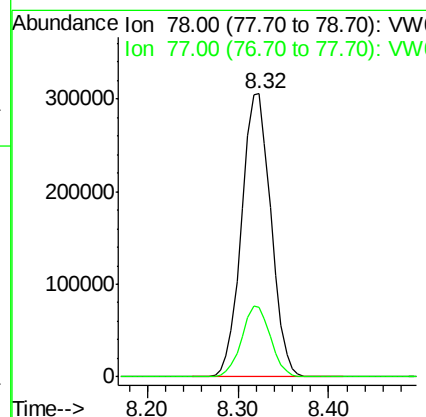
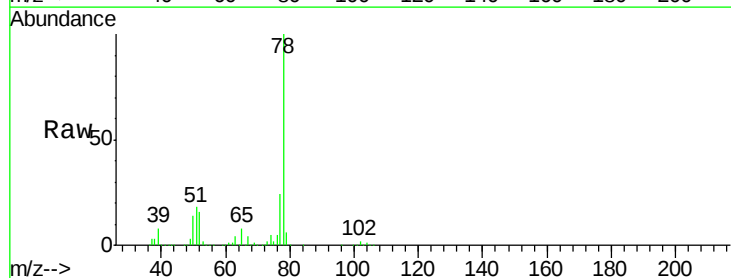
Manual Integrations
APPROVED

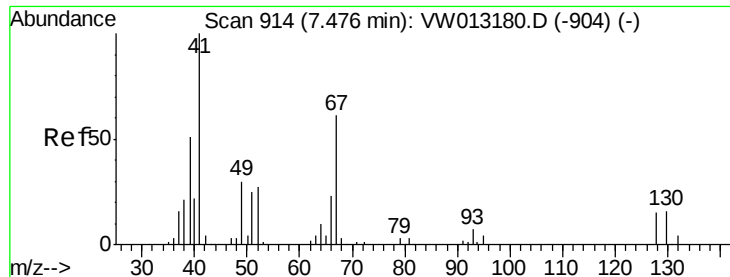
MMDadoda
9/24/2019 5:28:57 AM



#40
Benzene
Concen: 48.763 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	688077		
77	24.5		19.1	28.7





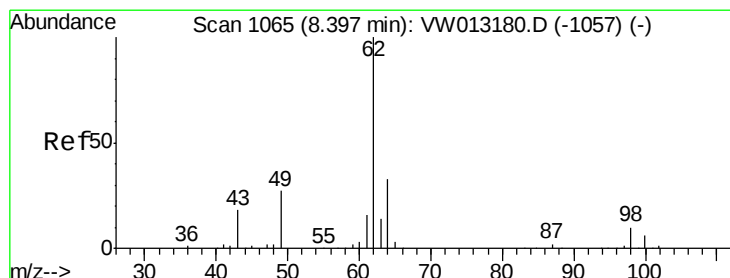
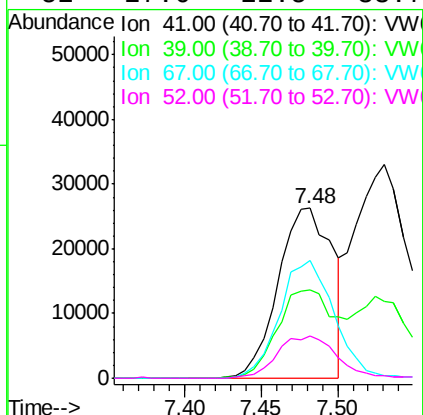
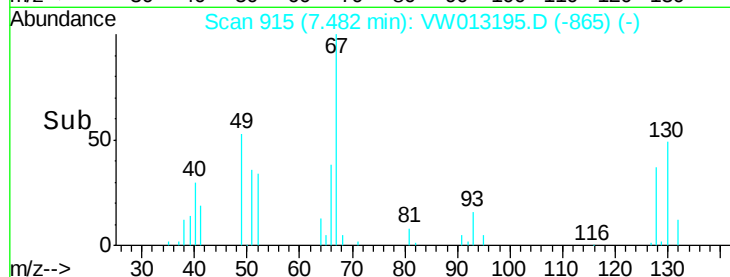
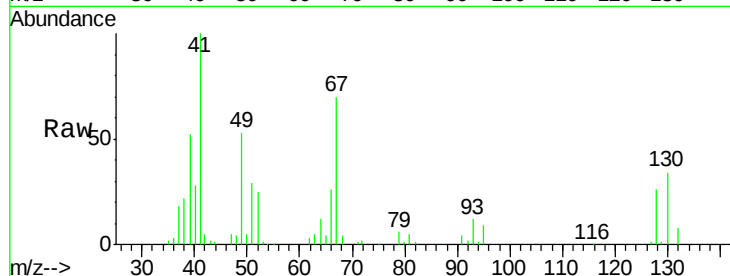
#41
Methacrylonitrile
Concen: 50.557 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.9	45.9	68.9
67	70.2	54.5	81.7
52	27.6	22.5	33.7

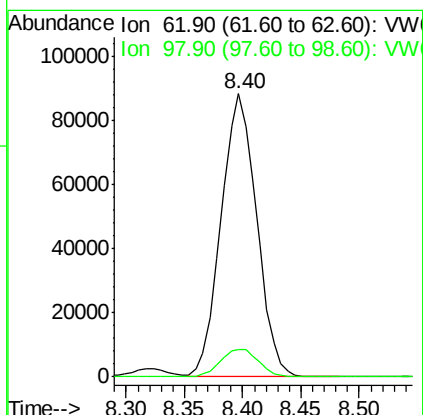
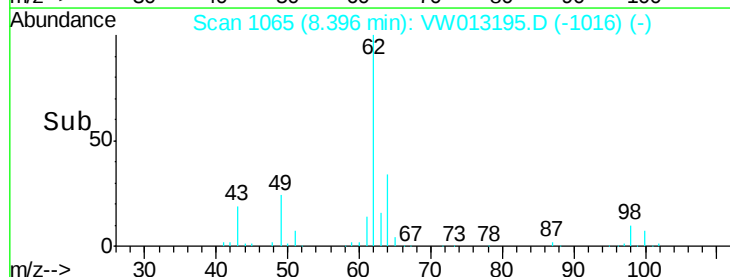
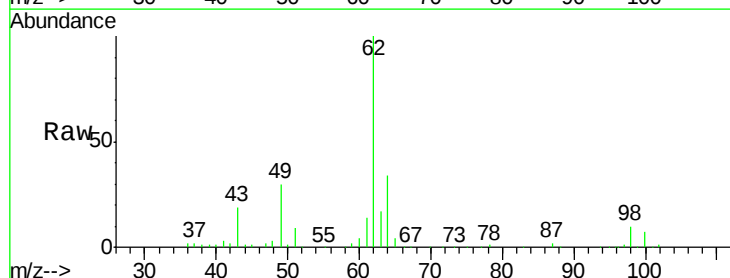
Manual Integrations
APPROVED

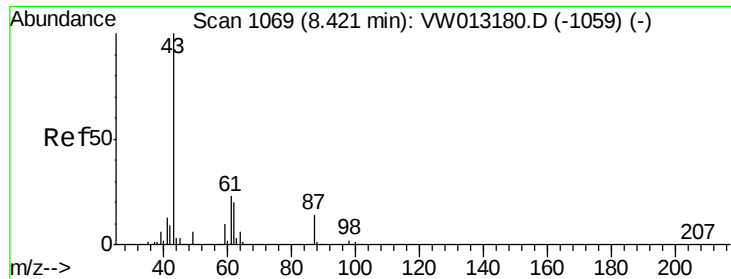
MMDadoda
9/24/2019 5:28:57 AM



#42
1,2-Dichloroethane
Concen: 49.309 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6





#43

Isopropyl Acetate

Concen: 49.663 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

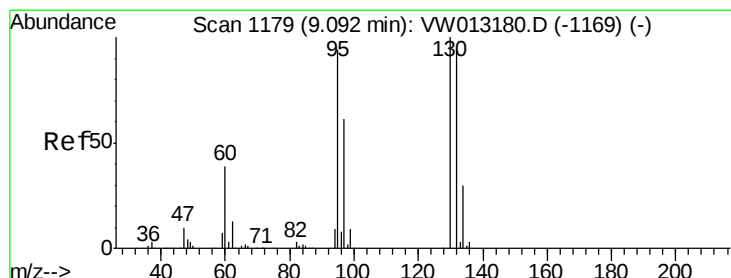
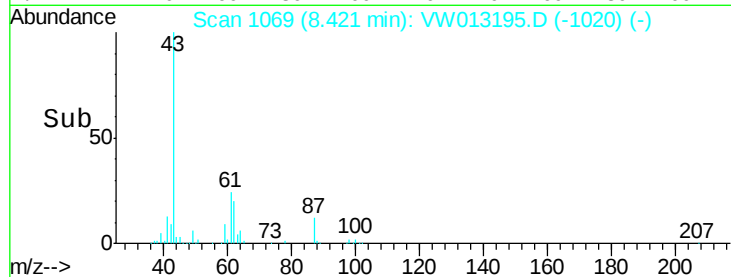
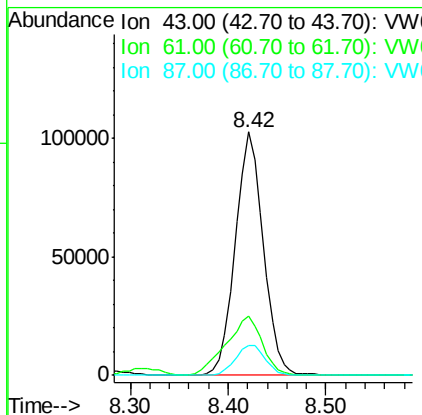
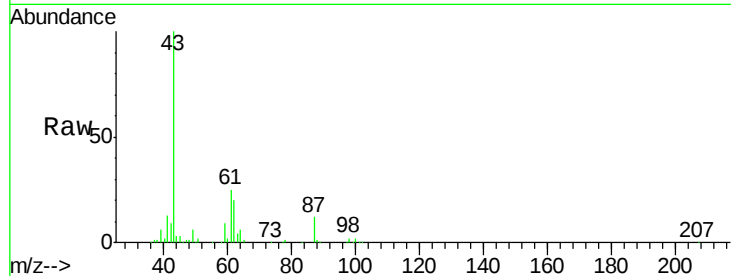
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	204645
Ion	Ratio	Lower	Upper
43	100		
61	30.8	25.5	38.3
87	13.0	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#44

Trichloroethene

Concen: 47.138 ug/l

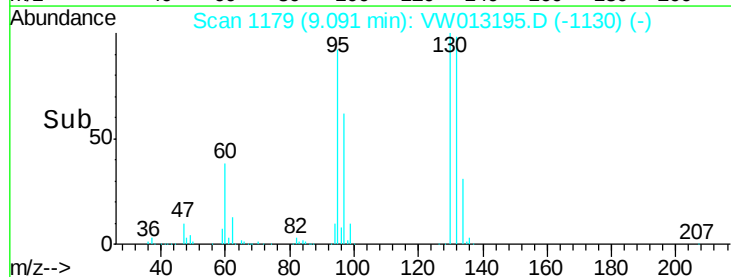
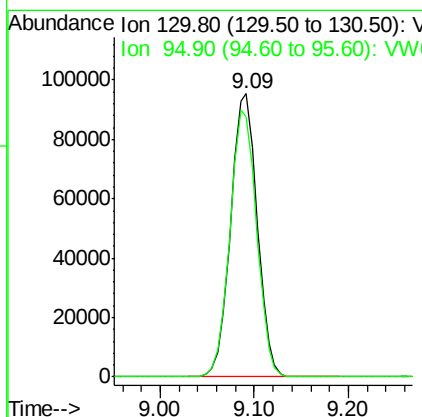
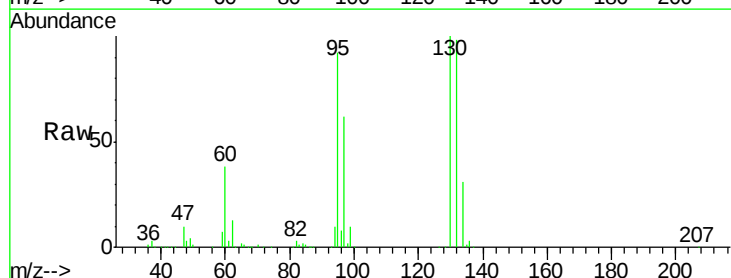
RT: 9.09 min Scan# 1179

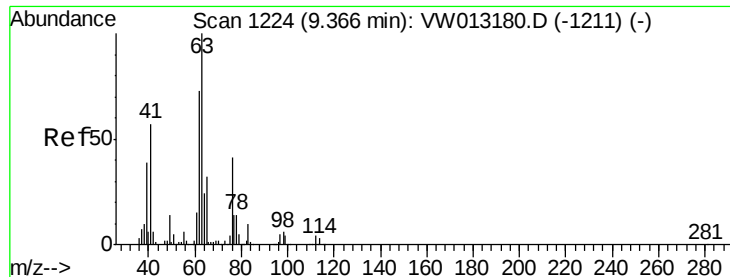
Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tgt Ion:	130	Resp:	186620
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	188.0





#45

1,2-Dichloropropane

Concen: 49.080 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 169081

Ion Ratio Lower Upper

63 100

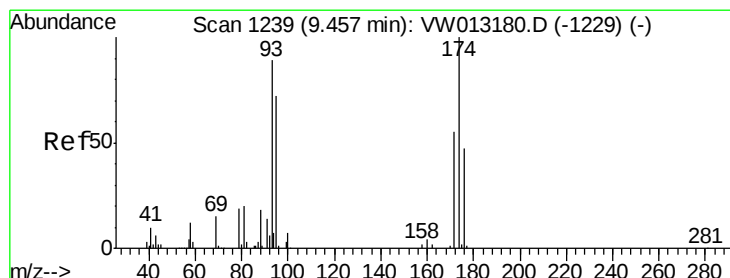
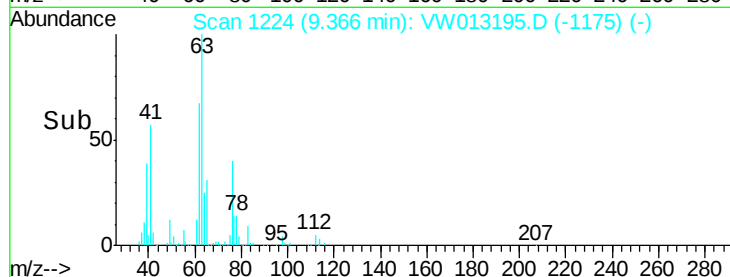
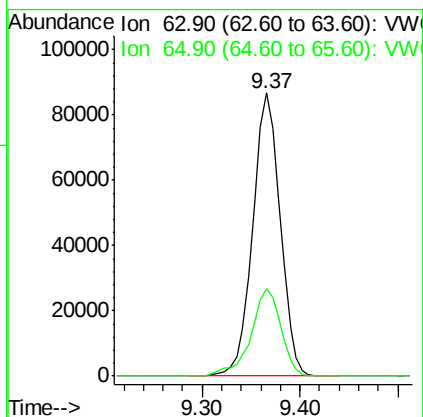
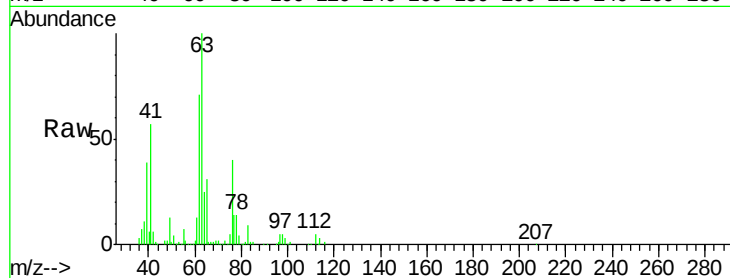
65 31.1 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

9/24/2019 5:28:57 AM



#46

Dibromomethane

Concen: 49.785 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

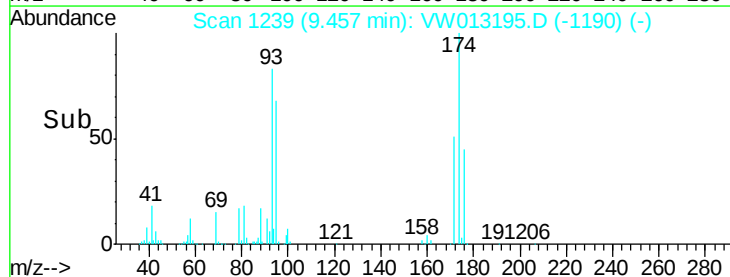
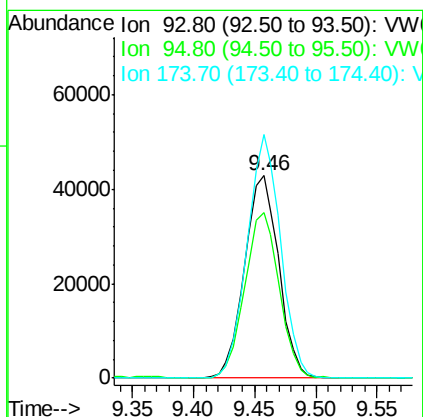
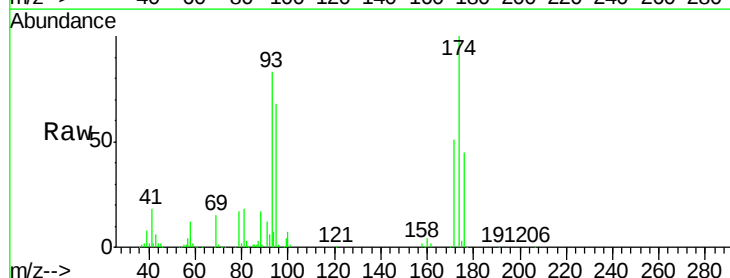
Tgt Ion: 93 Resp: 83267

Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

174 118.3 93.0 139.6





#47

Bromodichloromethane

Concen: 48.811 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

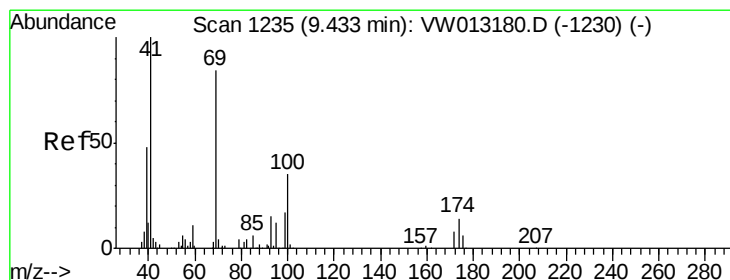
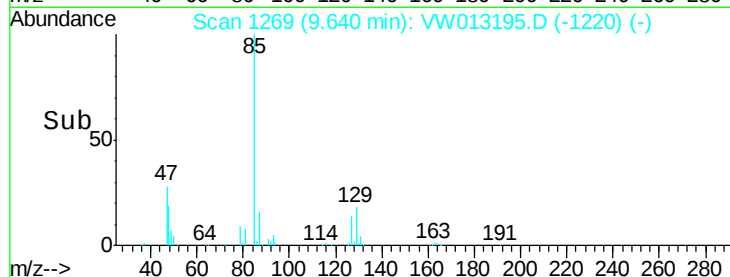
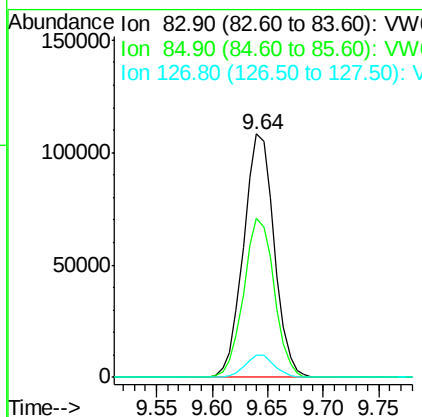
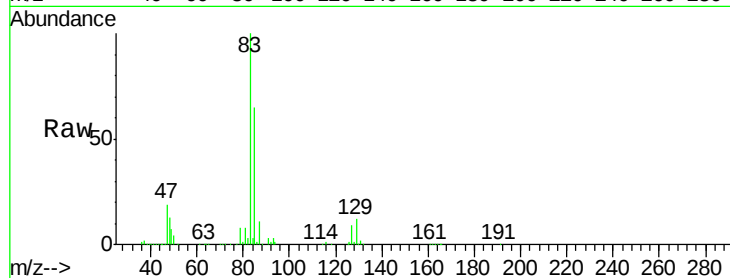
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	207732
Ion Ratio	Lower	Upper	
83	100		
85	65.4	49.4	74.2
127	9.1	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#48

Methyl methacrylate

Concen: 50.815 ug/l

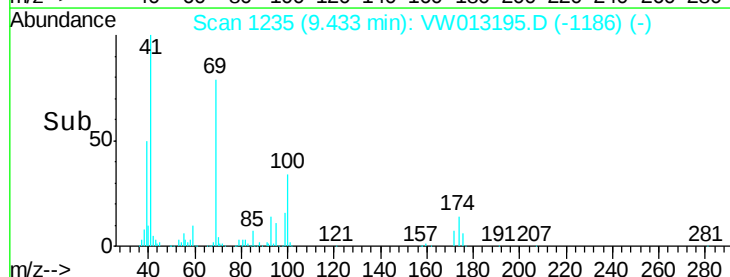
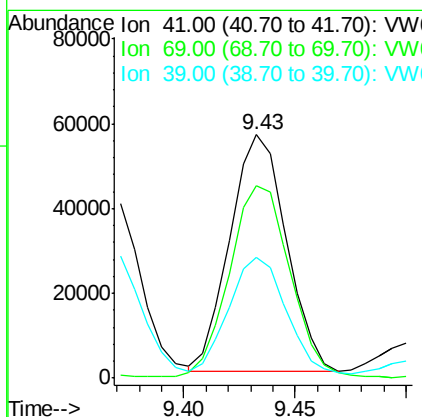
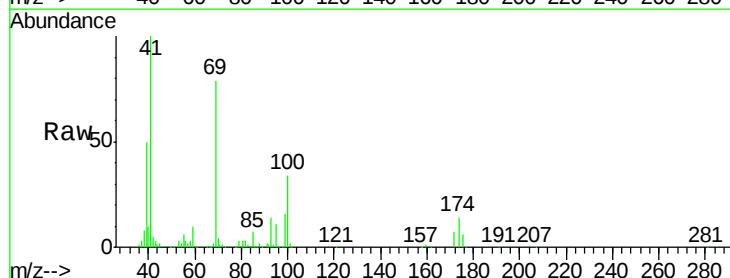
RT: 9.43 min Scan# 1235

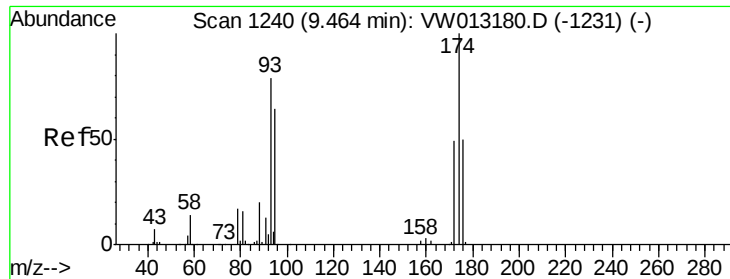
Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tgt Ion:	41	Resp:	98461
Ion Ratio	Lower	Upper	
41	100		
69	88.8	69.7	104.5
39	49.7	41.1	61.7





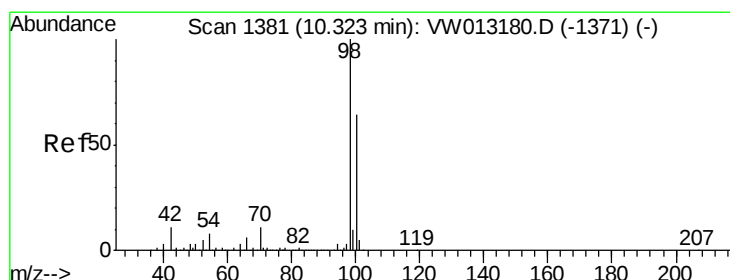
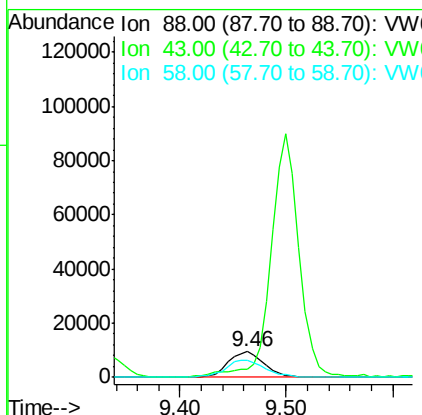
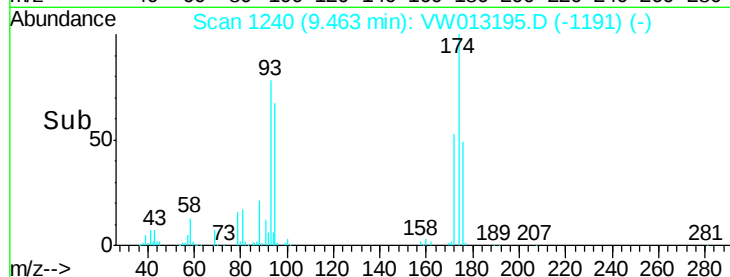
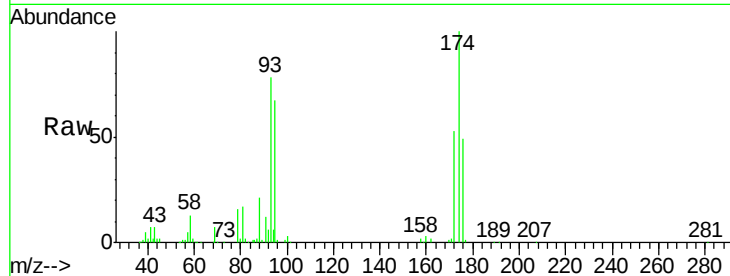
#49
1,4-Dioxane
Concen: 898.315 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	22553
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.4	65.4	98.0

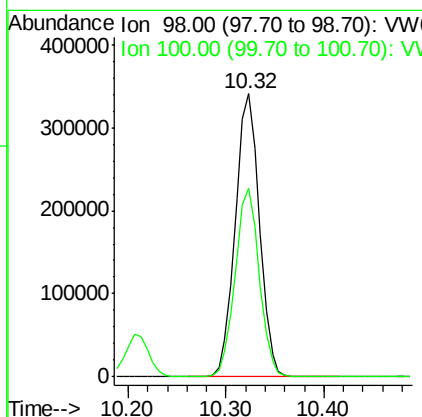
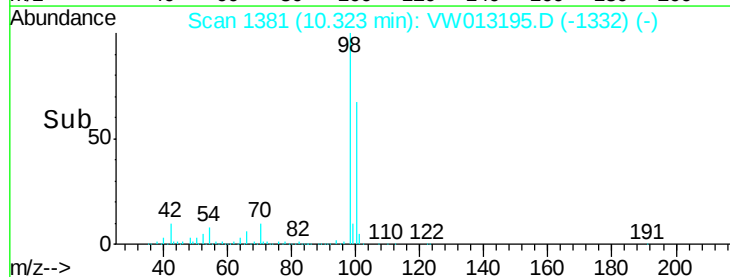
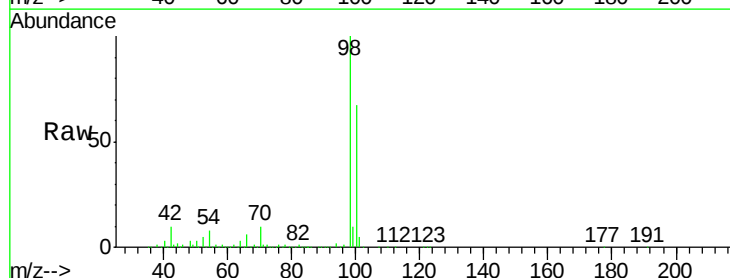
Manual Integrations
APPROVED

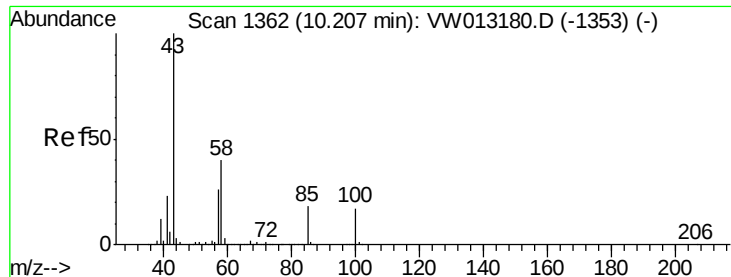
MMDadoda
9/24/2019 5:28:57 AM



#50
Toluene-d8
Concen: 48.673 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	98	Resp	585171
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 251.265 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 519062

Ion Ratio Lower Upper

43 100

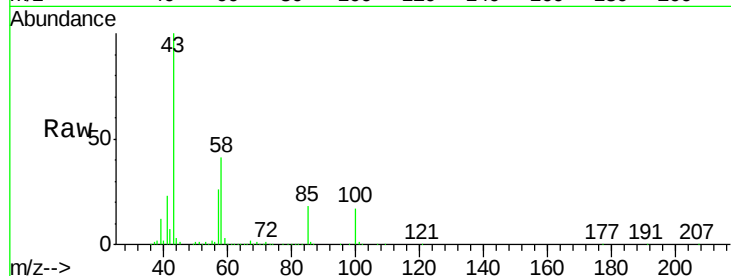
58 40.2 31.7 47.5

Manual Integrations

APPROVED

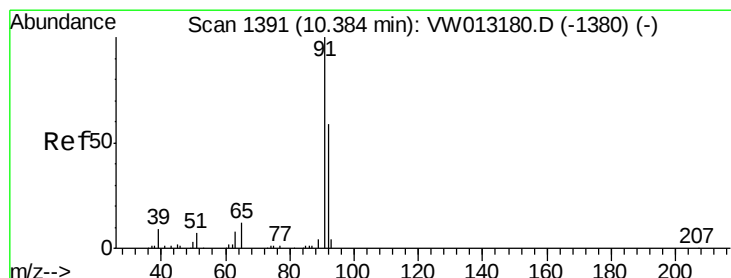
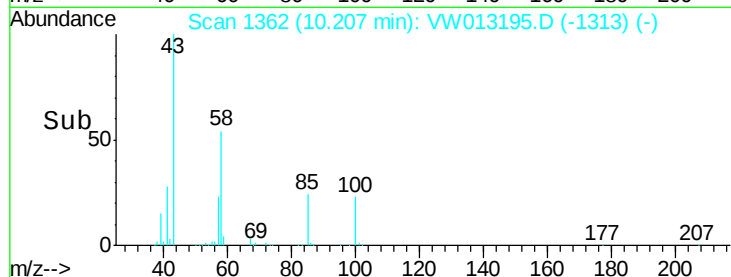
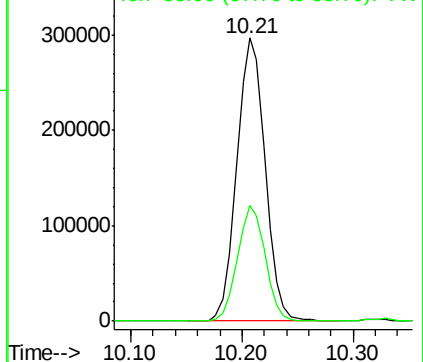
MMDadoda

9/24/2019 5:28:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 49.140 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013195.D

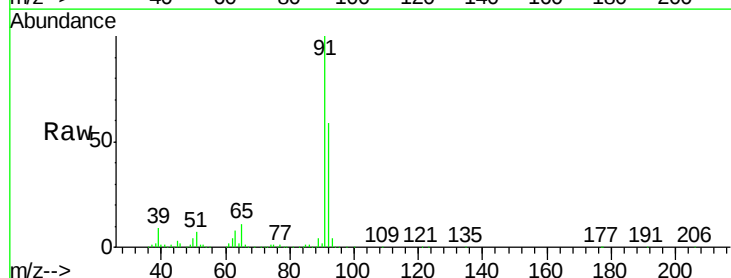
Acq: 20 Sep 2019 21:00

Tgt Ion: 92 Resp: 444389

Ion Ratio Lower Upper

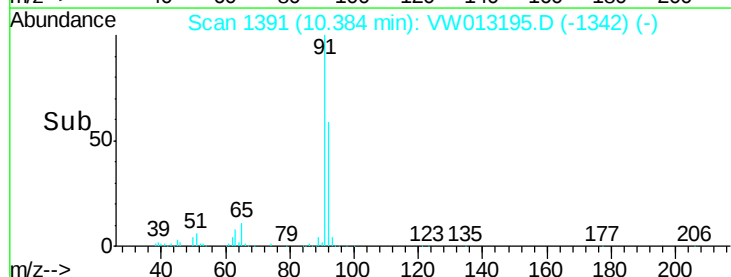
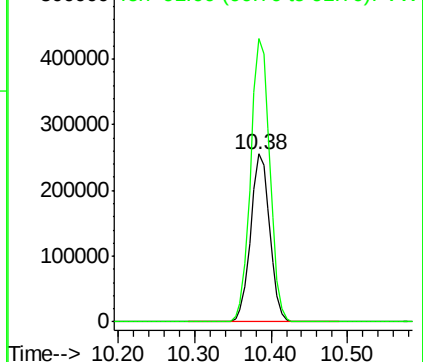
92 100

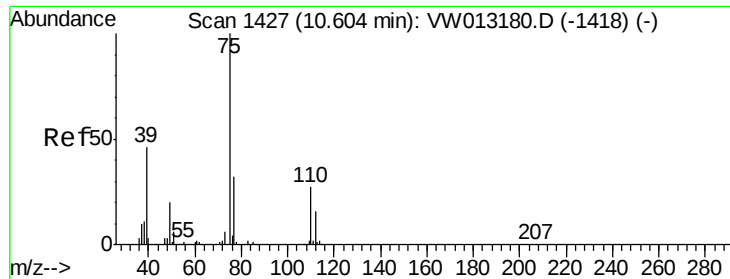
91 169.8 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





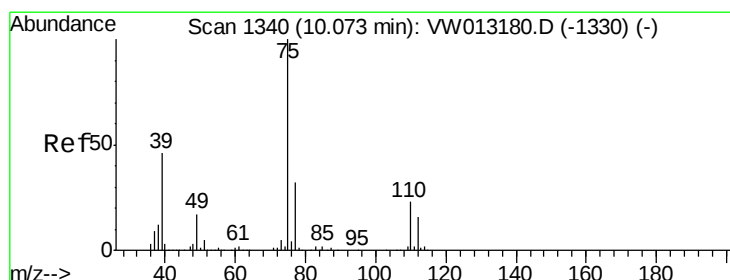
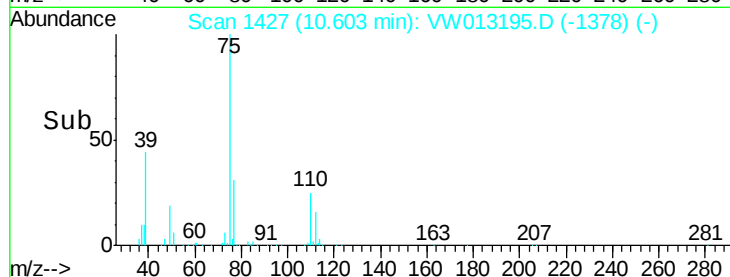
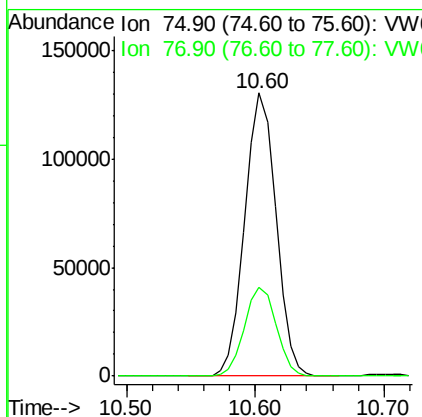
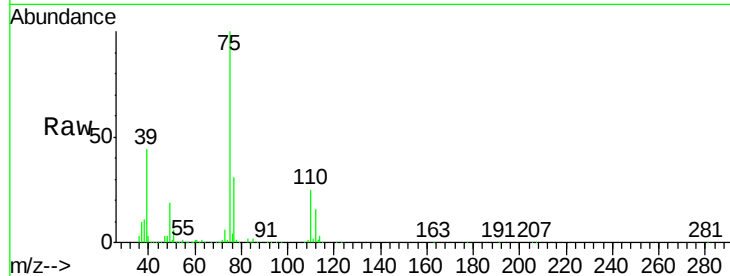
#53
t-1,3-Dichloropropene
Concen: 50.104 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3

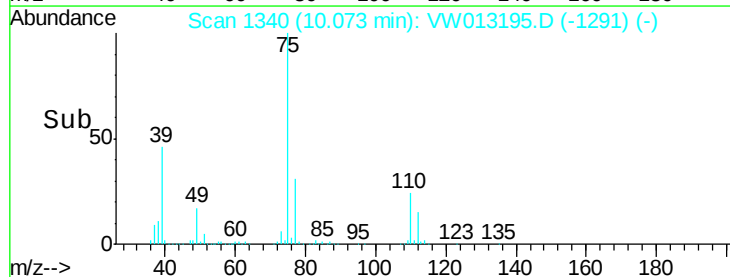
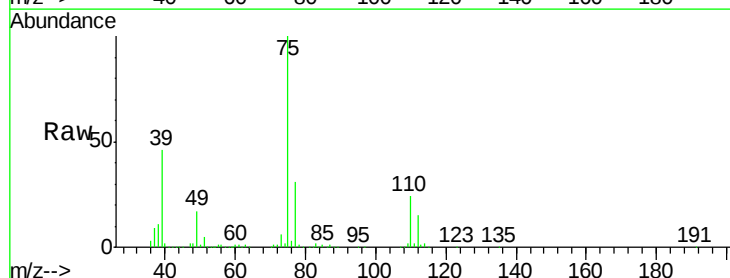
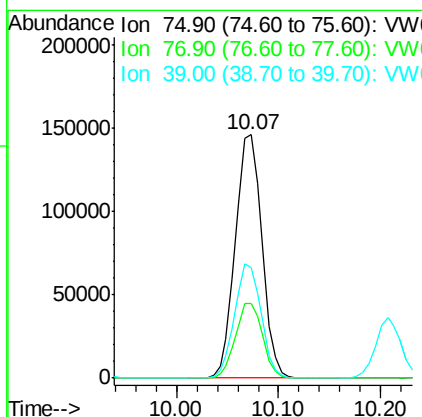
Manual Integrations
APPROVED

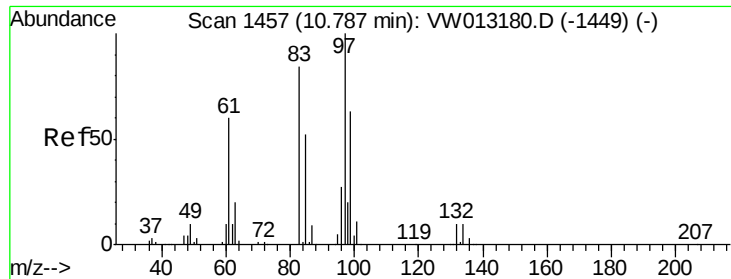
MMDadoda
9/24/2019 5:28:57 AM



#54
cis-1,3-Dichloropropene
Concen: 49.713 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.2	37.8
39	45.5	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 48.882 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

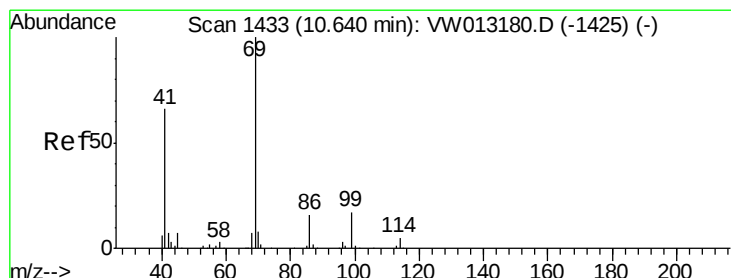
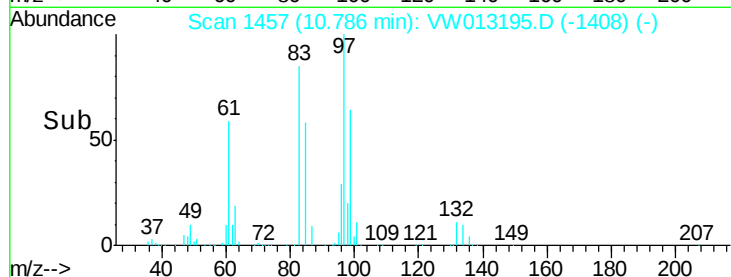
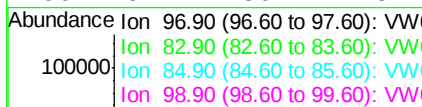
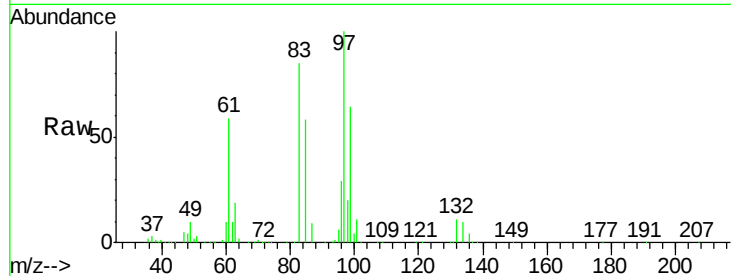
ClientSampleId :

VSTDCCC050EC

Tot Ion	97	Resp	122200
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.6	101.4
85	58.2	41.9	62.9
99	64.4	50.1	75.1

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#56

Ethyl methacrylate

Concen: 52.050 ug/l

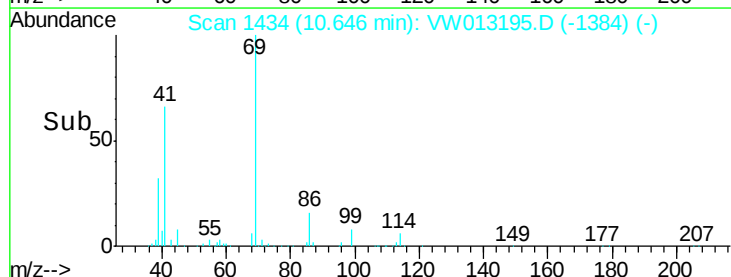
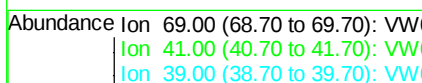
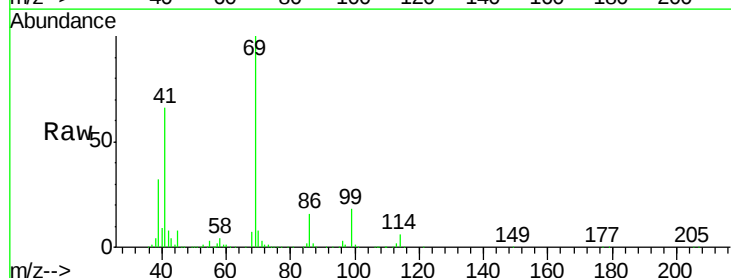
RT: 10.65 min Scan# 1434

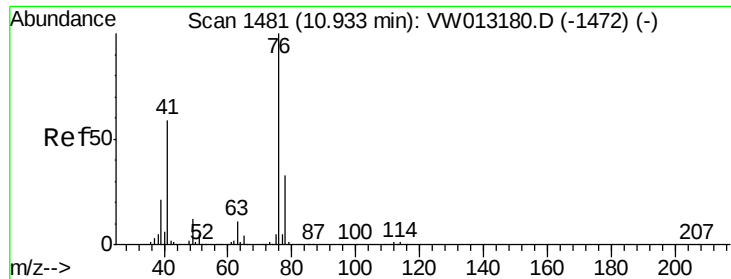
Delta R.T. 0.01 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tgt Ion	69	Resp	170291
Ion	Ratio	Lower	Upper
69	100		
41	67.8	53.9	80.9
39	28.9	23.8	35.6





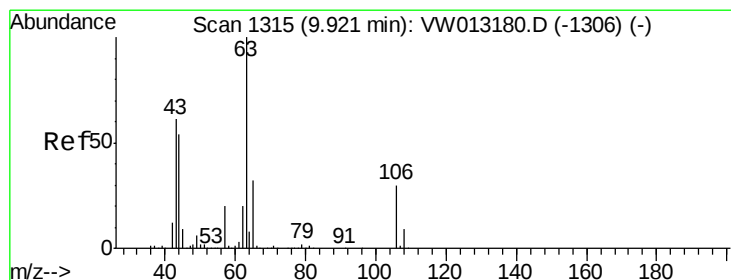
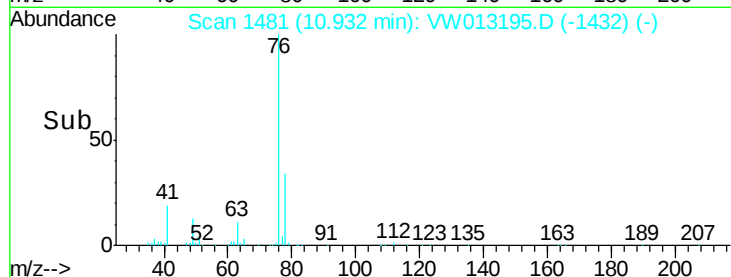
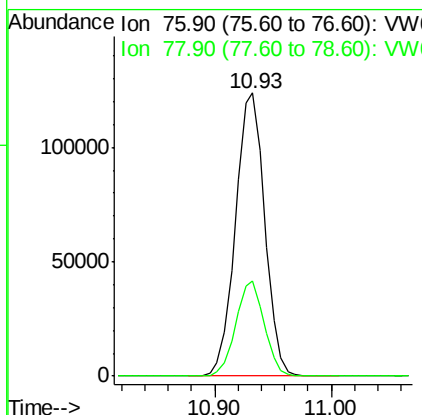
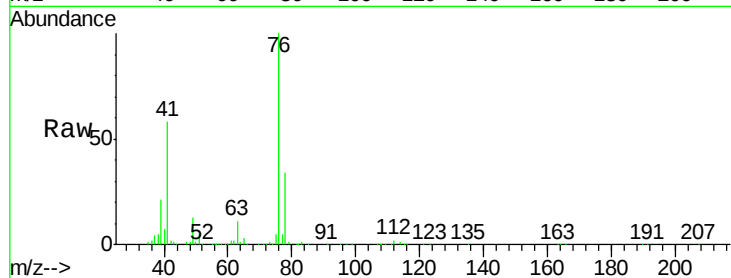
#57
 1,3-Dichloropropane
 Concen: 49.682 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 216734
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.5 38.3

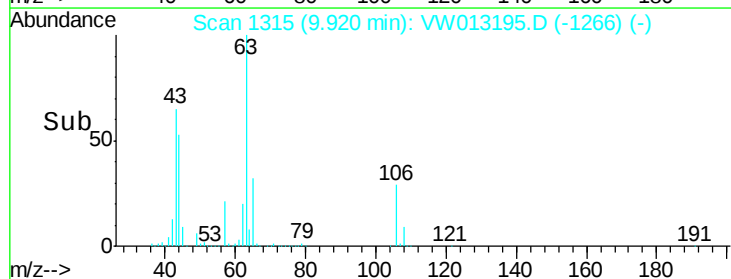
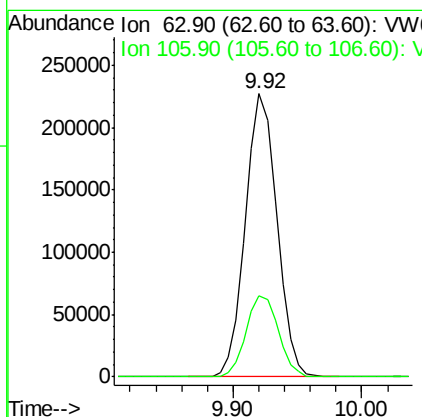
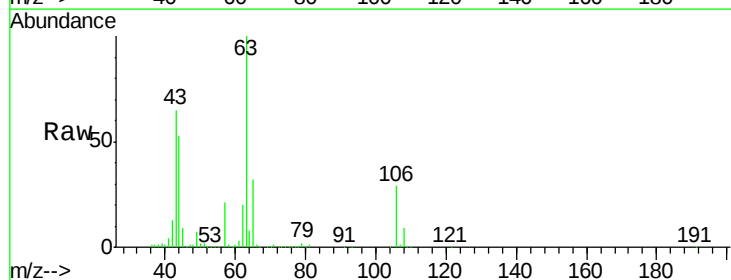
Manual Integrations
 APPROVED

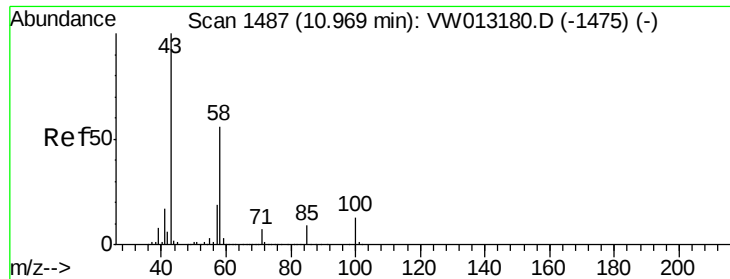
MMDadoda
 9/24/2019 5:28:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.507 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Tgt Ion: 63 Resp: 383966
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.4 35.0





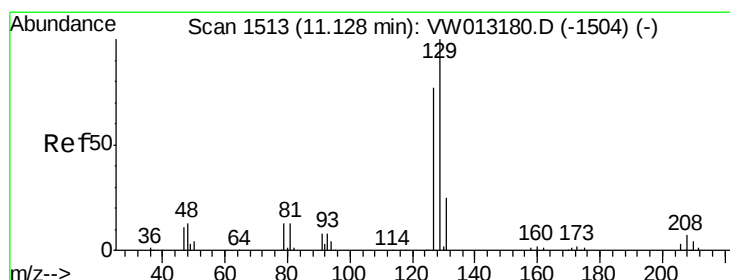
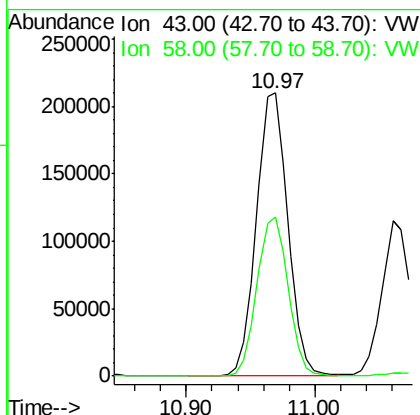
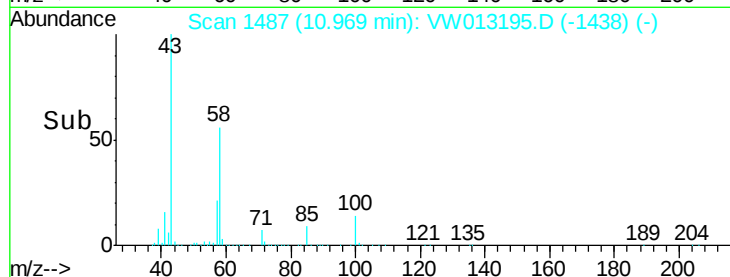
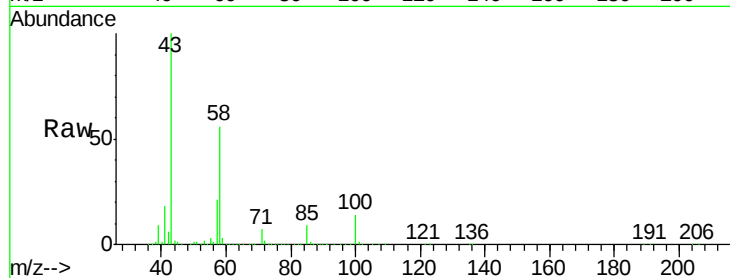
#59
2-Hexanone
Concen: 248.236 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 352808
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.2

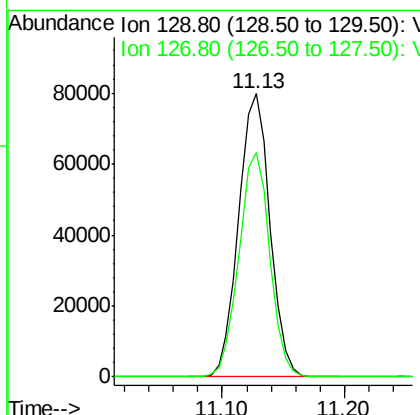
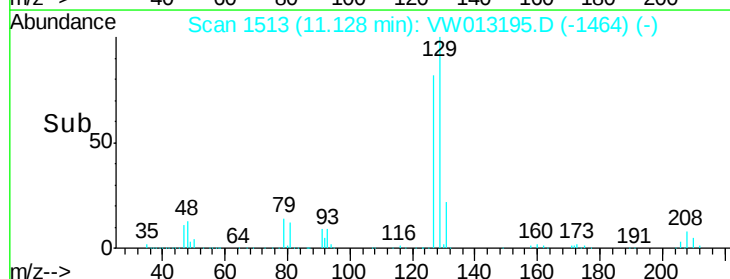
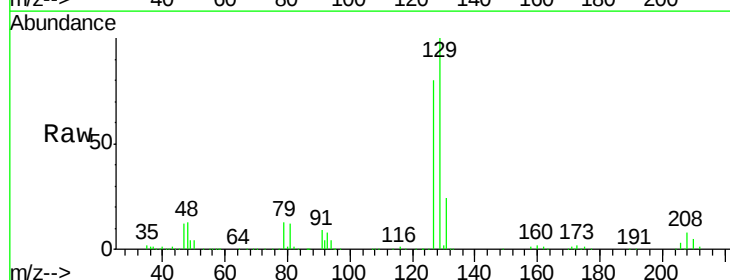
Manual Integrations
APPROVED

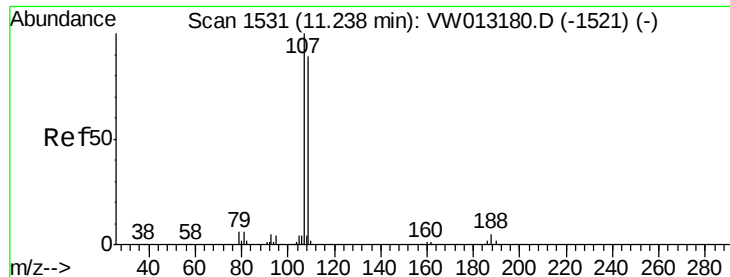
MMDadoda
9/24/2019 5:28:57 AM



#60
Dibromochloromethane
Concen: 49.947 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion: 129 Resp: 141780
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.4





#61

1,2-Dibromoethane

Concen: 49.366 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 117337

Ion Ratio Lower Upper

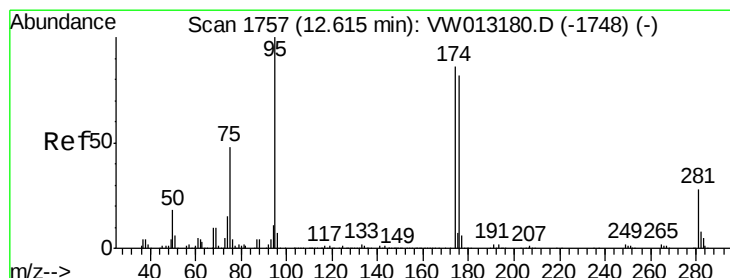
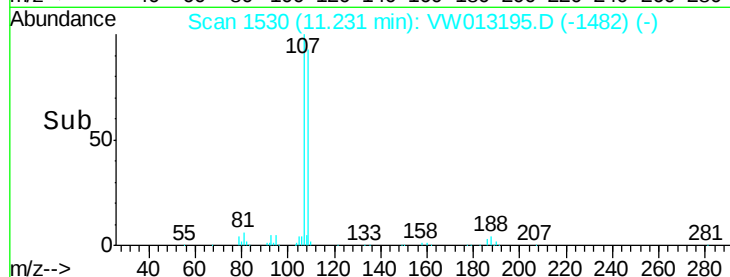
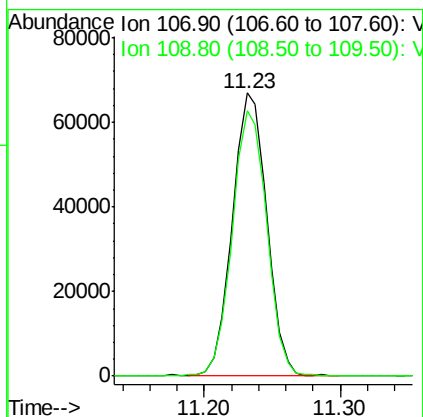
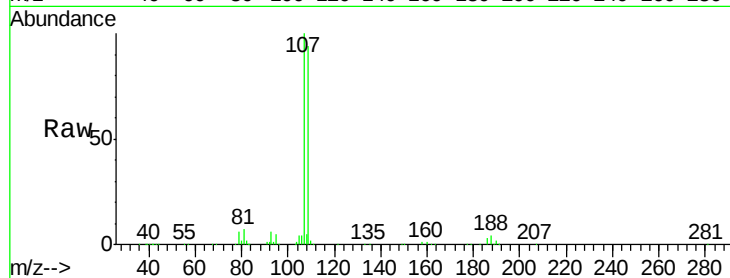
107 100

109 94.4 75.2 112.8

Manual Integrations
APPROVED

MMDadoda

9/24/2019 5:28:57 AM



#62

4-Bromofluorobenzene

Concen: 49.132 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

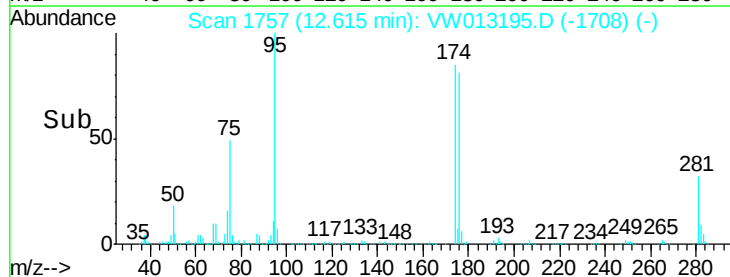
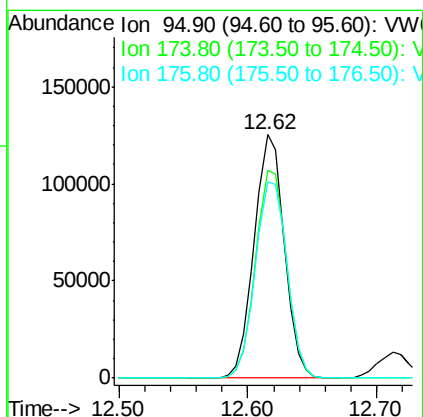
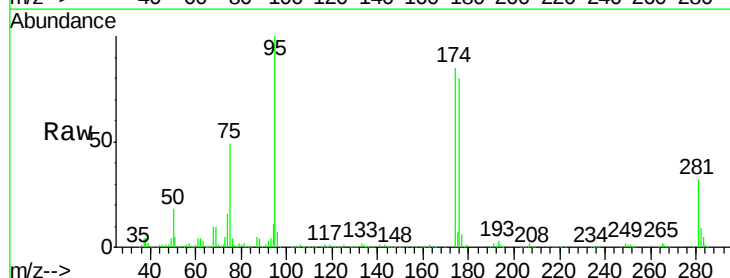
Tgt Ion: 95 Resp: 201771

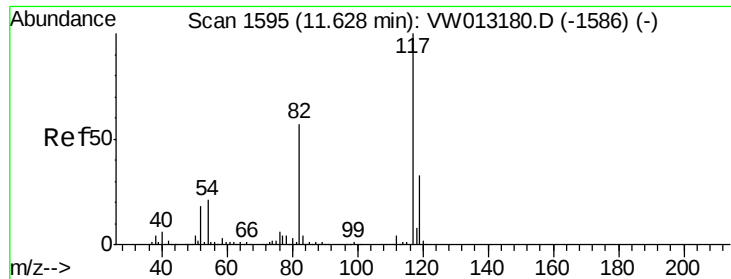
Ion Ratio Lower Upper

95 100

174 88.1 0.0 178.4

176 85.6 0.0 172.2





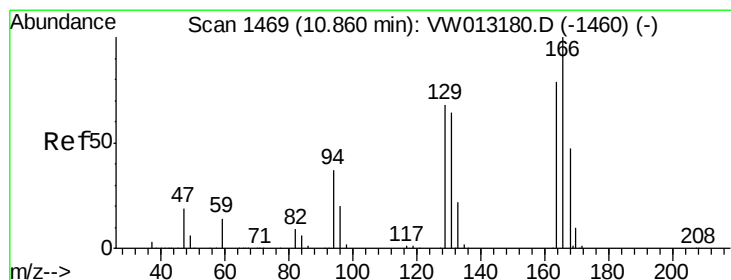
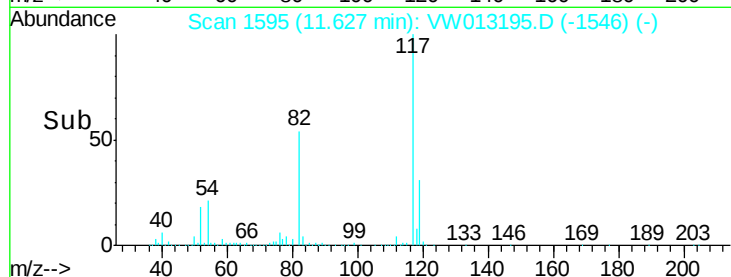
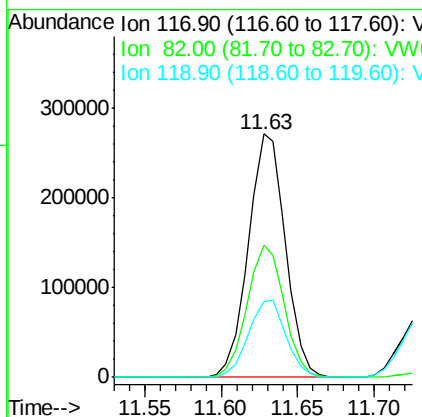
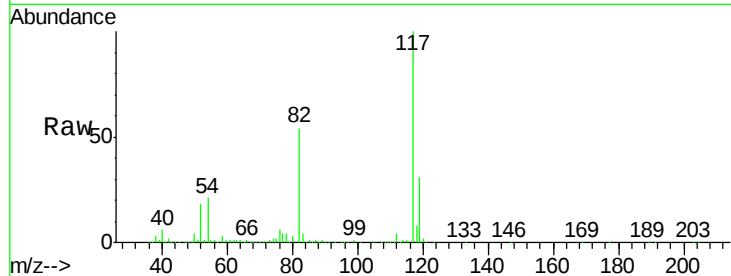
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	455735		
82	54.4	45.9	68.9	
119	31.0	26.2	39.2	

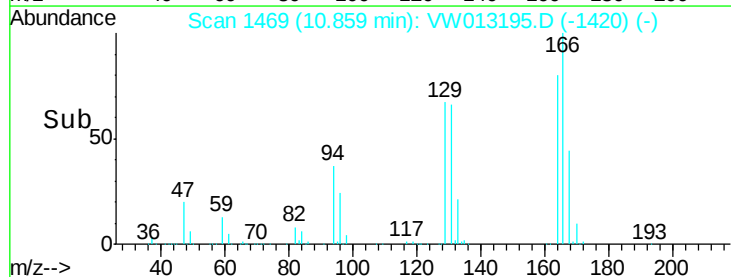
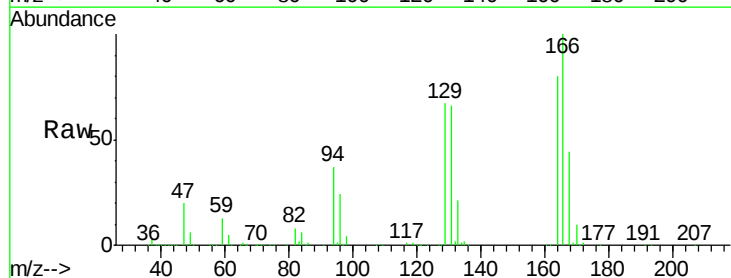
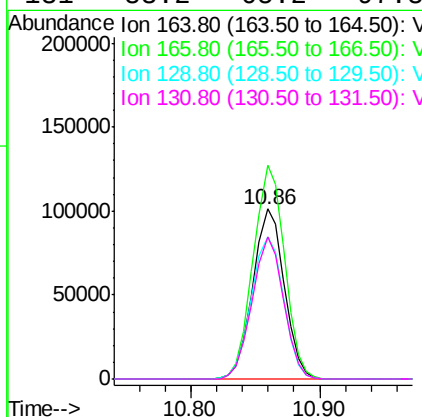
Manual Integrations
APPROVED

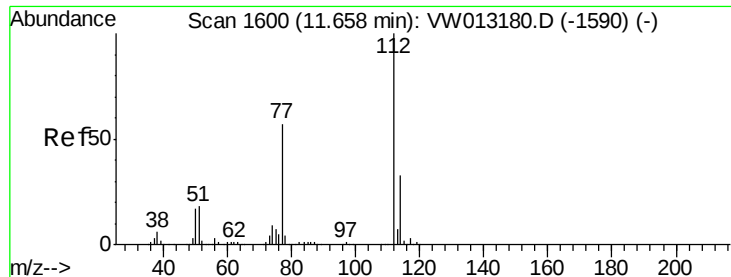
MMDadoda
9/24/2019 5:28:57 AM



#64
Tetrachloroethene
Concen: 49.300 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	170470		
166	125.6	101.2	151.8	
129	83.8	68.8	103.2	
131	83.2	65.2	97.8	





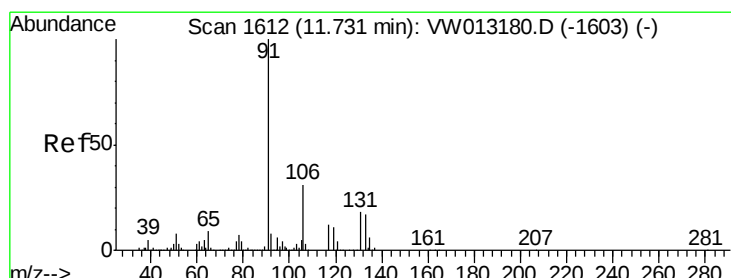
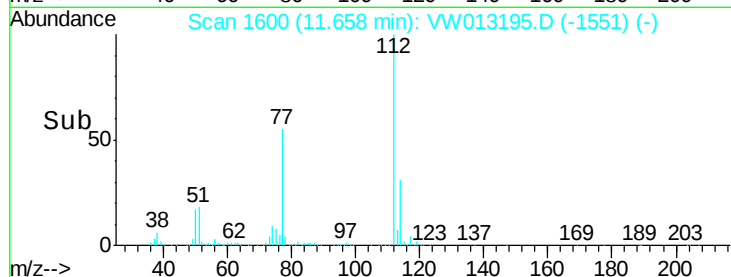
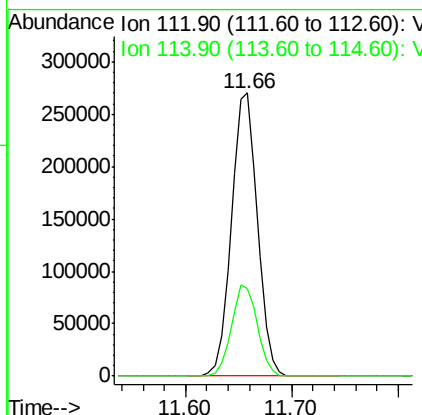
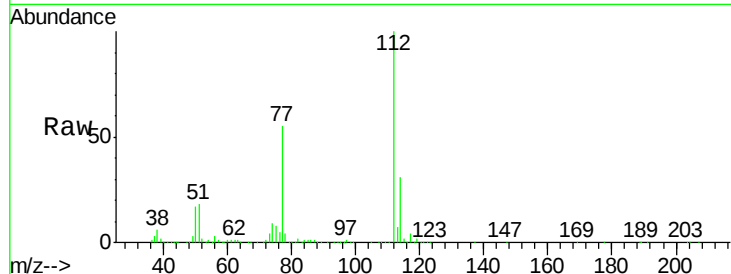
#65
Chlorobenzene
Concen: 48.436 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	460953		
114	31.1	26.5	39.7	

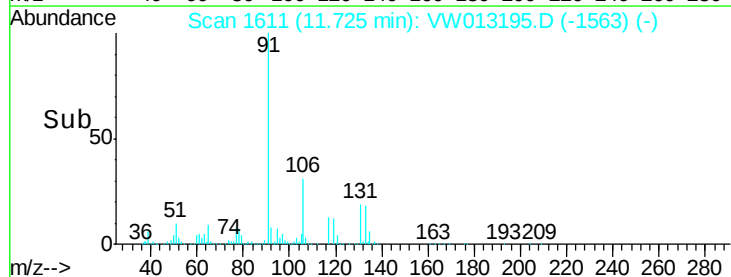
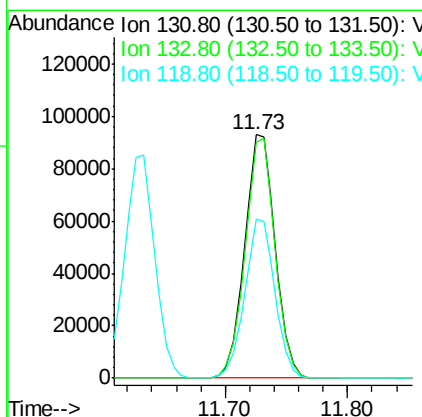
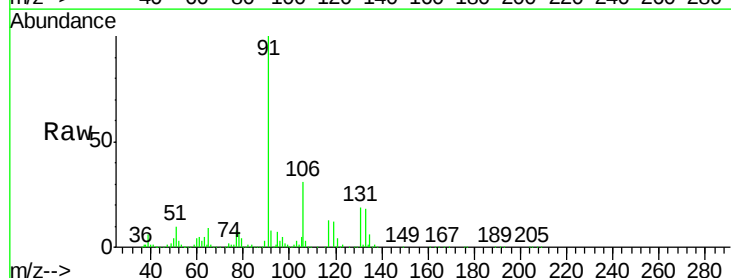
Manual Integrations
APPROVED

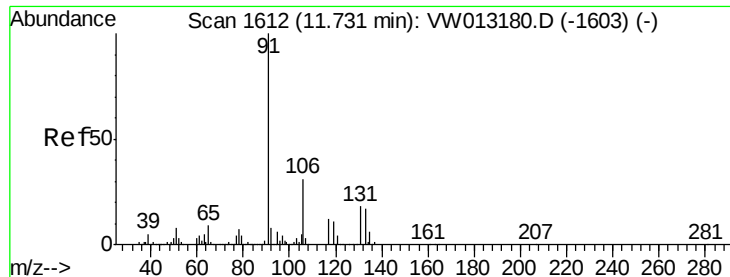
MMDadoda
9/24/2019 5:28:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.270 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	160185		
133	97.0	47.5	142.6	
119	65.0	32.5	97.5	





#67

Ethyl Benzene

Concen: 49.009 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 845063

Ion Ratio Lower Upper

91 100

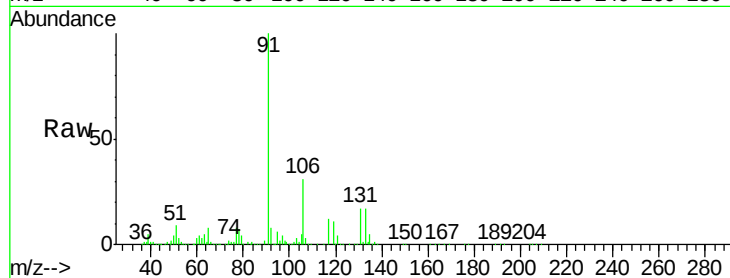
106 30.5 24.9 37.3

Manual Integrations

APPROVED

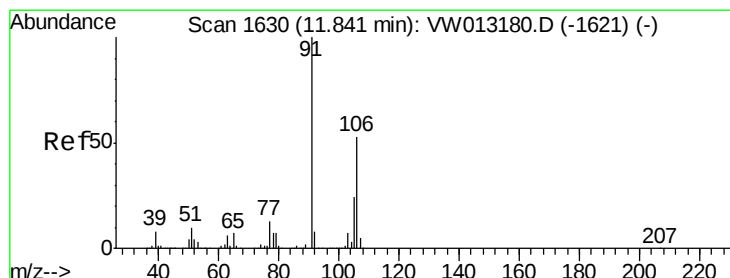
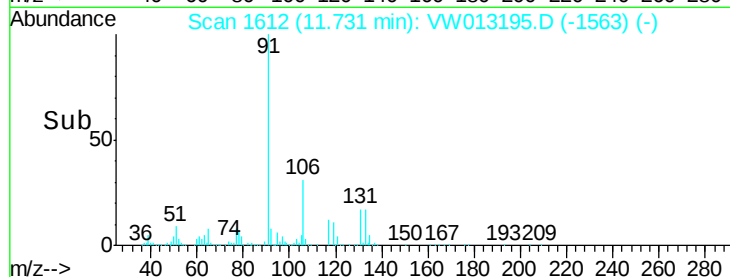
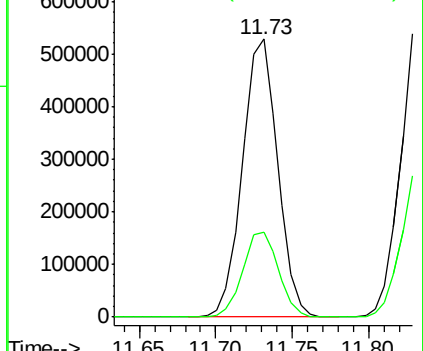
MMDadoda

9/24/2019 5:28:57 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 97.719 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013195.D

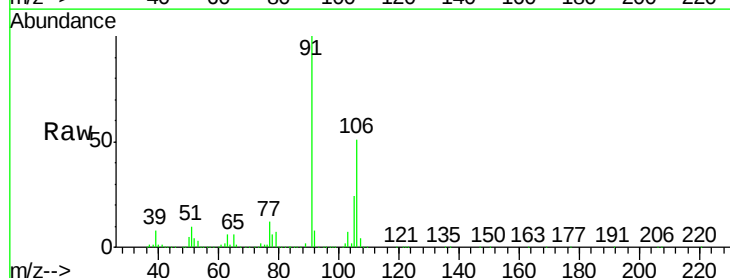
Acq: 20 Sep 2019 21:00

Tgt Ion: 106 Resp: 642084

Ion Ratio Lower Upper

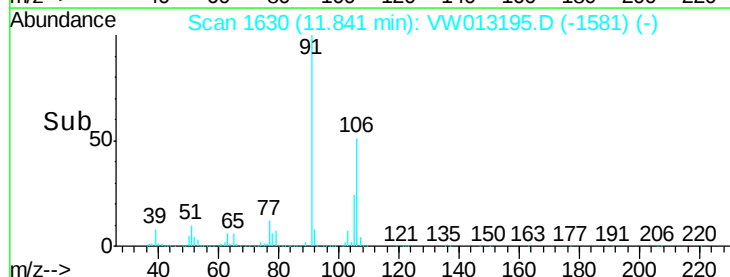
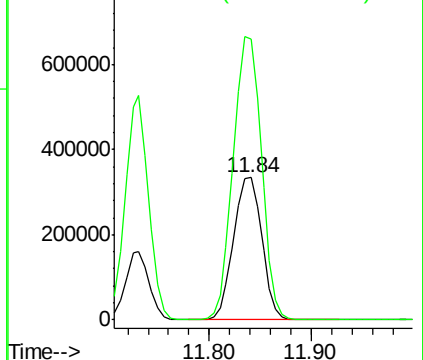
106 100

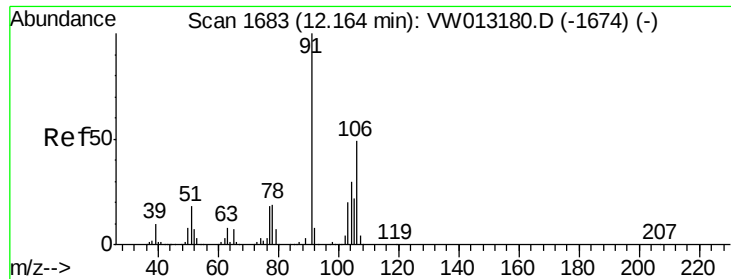
91 198.9 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





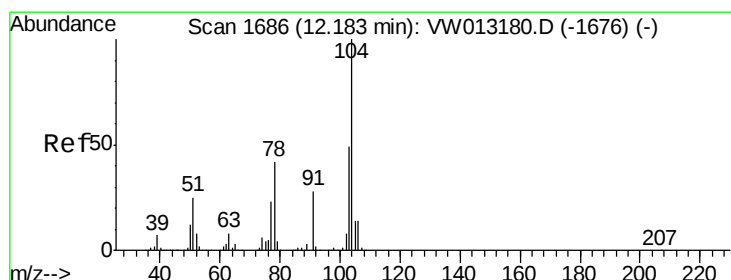
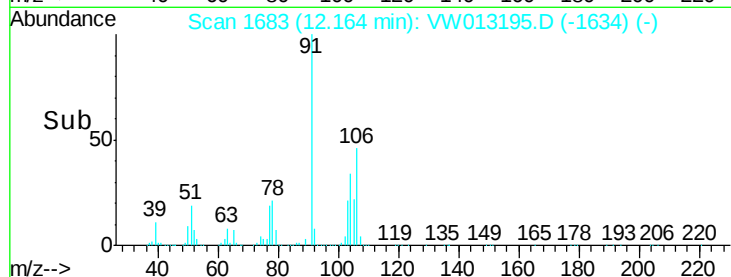
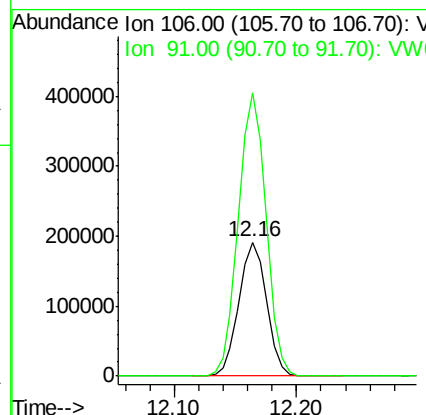
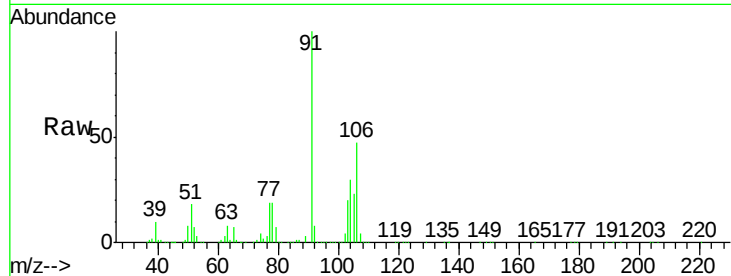
#69
o-Xylene
Concen: 48.765 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	297901		
91	212.1	106.5	319.5	

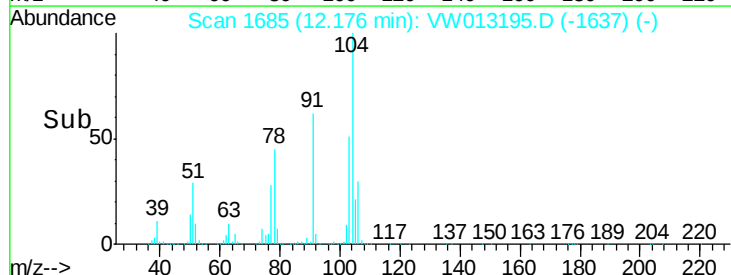
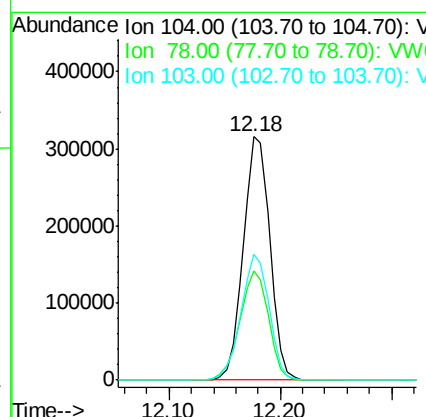
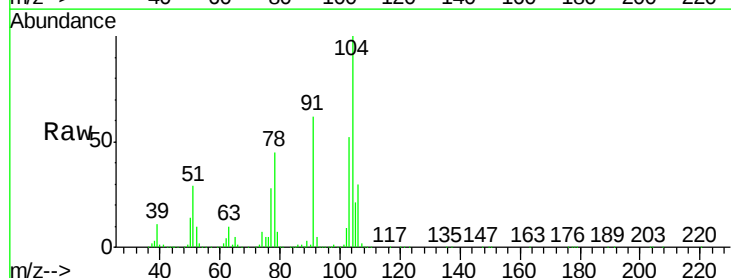
Manual Integrations
APPROVED

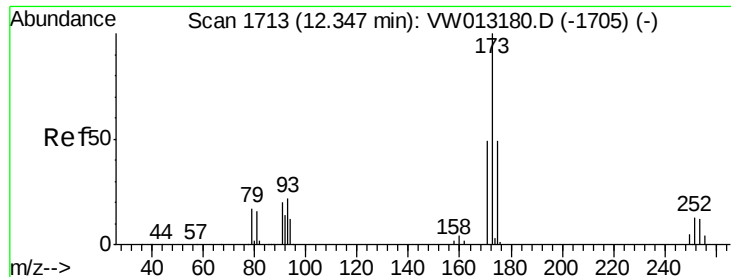
MMDadoda
9/24/2019 5:28:57 AM



#70
Styrene
Concen: 49.910 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	523448		
78	48.0	38.4	57.6	
103	54.4	43.3	64.9	





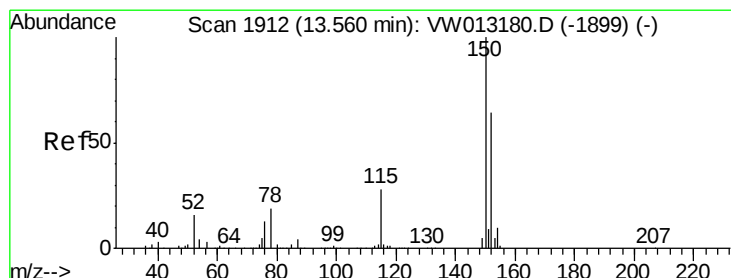
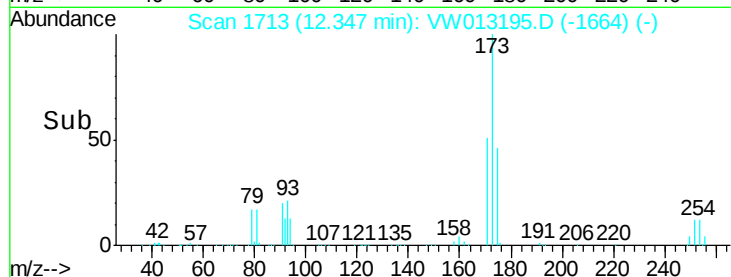
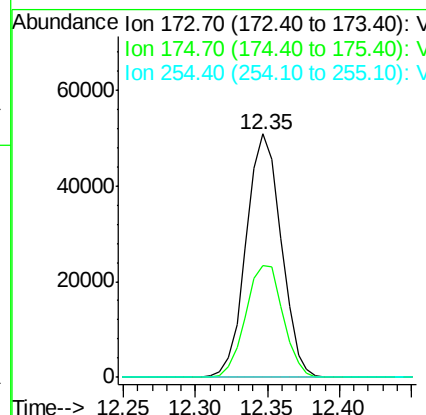
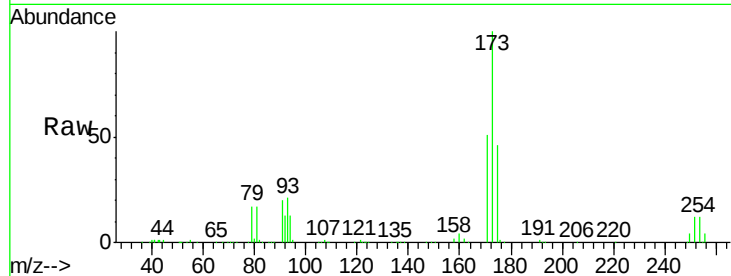
#71
Bromoform
Concen: 49.789 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.1	0.1	0.1

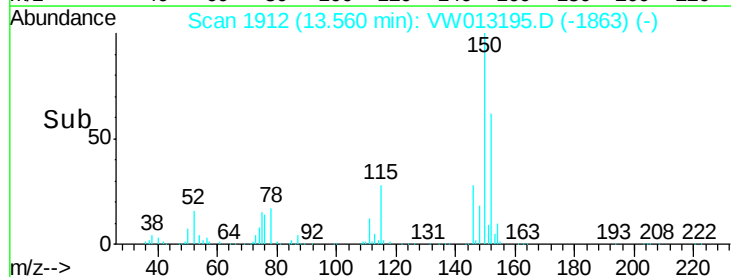
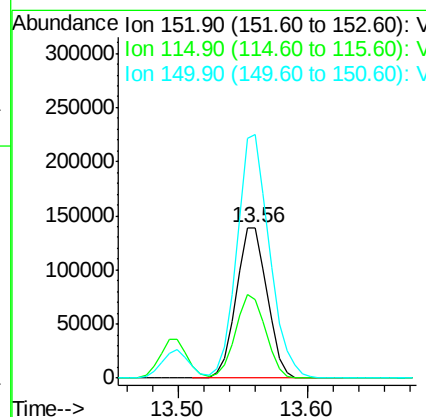
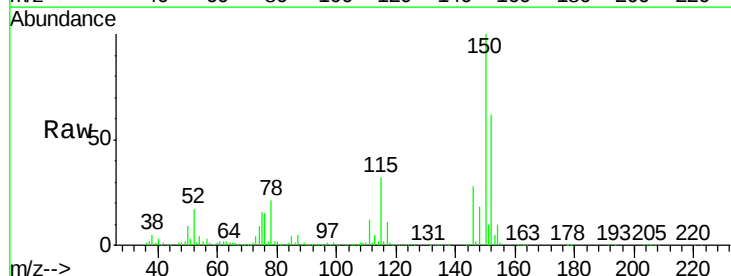
Manual Integrations
APPROVED

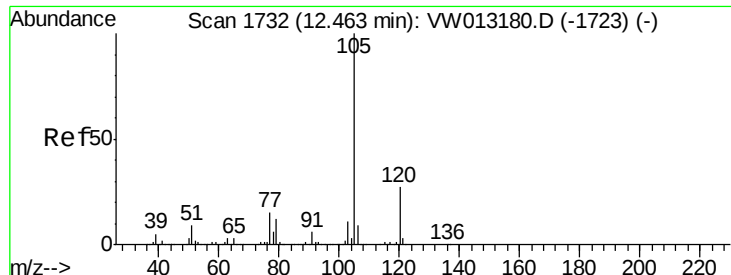
MMDadoda
9/24/2019 5:28:57 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.3	81.9
150	169.8	0.0	349.0





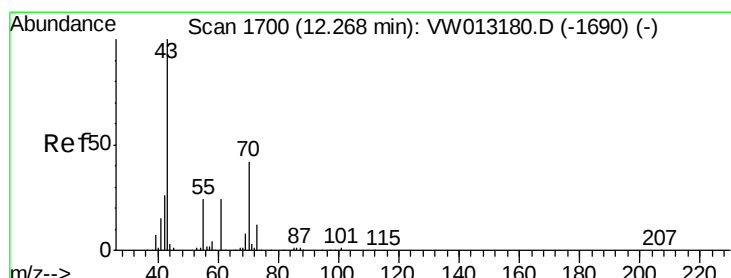
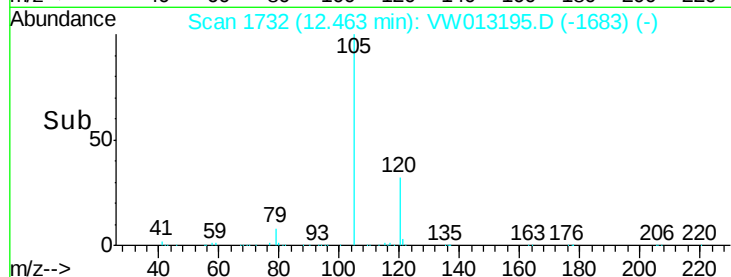
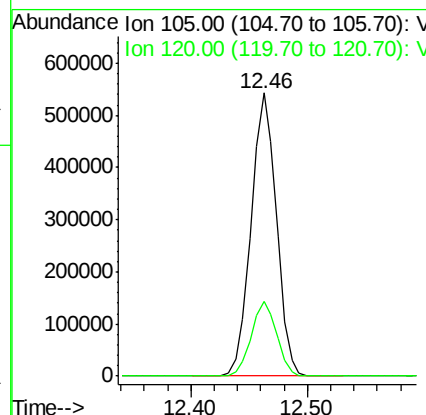
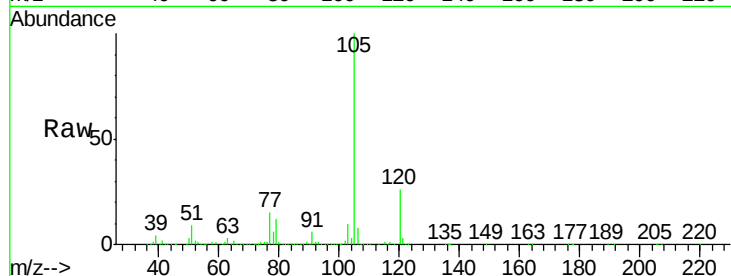
#73
Isopropylbenzene
Concen: 48.234 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 826284
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.1

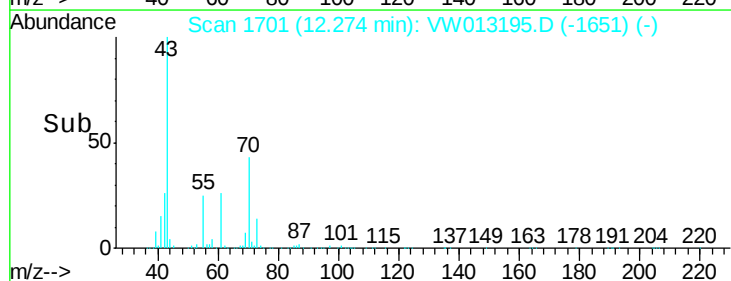
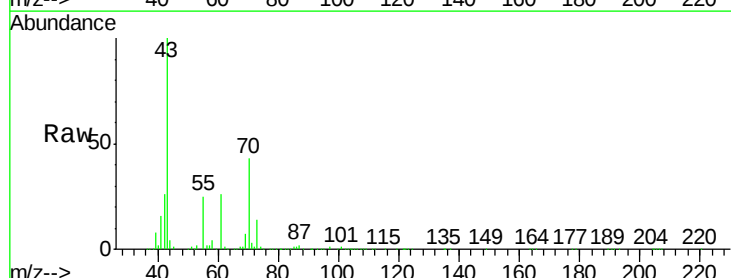
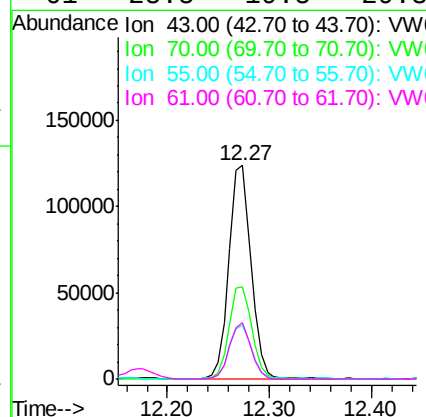
Manual Integrations
APPROVED

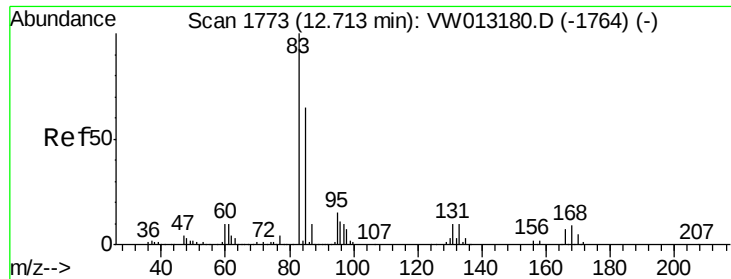
MMDadoda
9/24/2019 5:28:57 AM



#74
N-ethyl acetate
Concen: 49.108 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion: 43 Resp: 186676
Ion Ratio Lower Upper
43 100
70 44.2 35.1 52.7
55 25.5 19.9 29.9
61 25.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.235 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

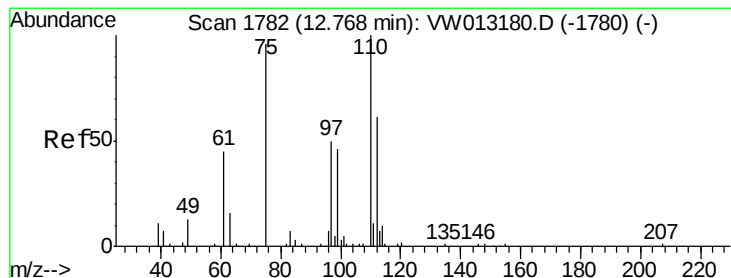
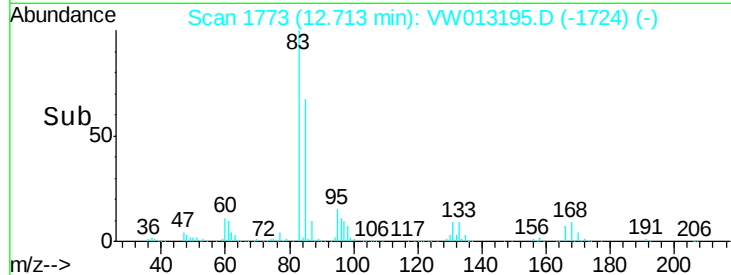
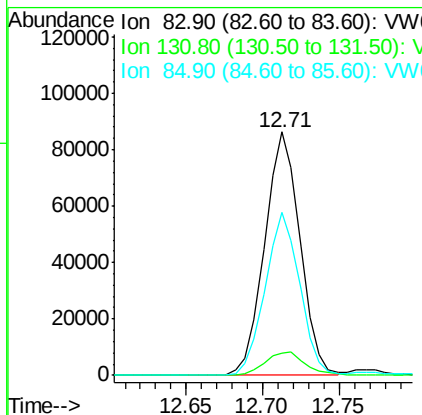
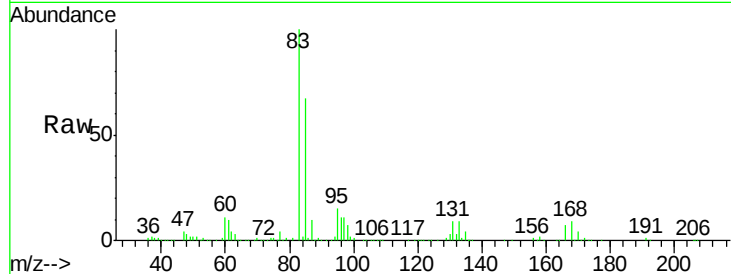
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	138191
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	66.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#76

1,2,3-Trichloropropane

Concen: 53.394 ug/l m

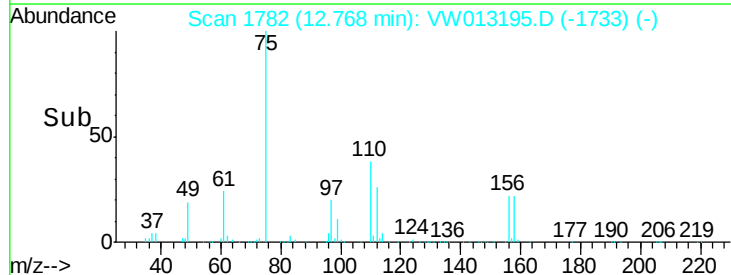
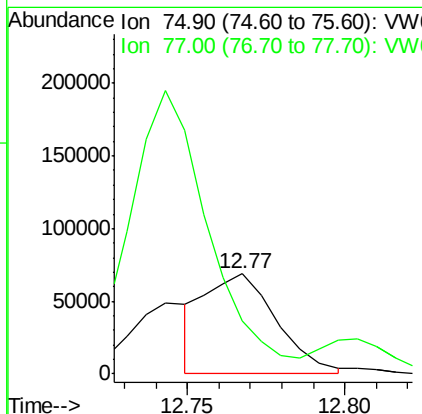
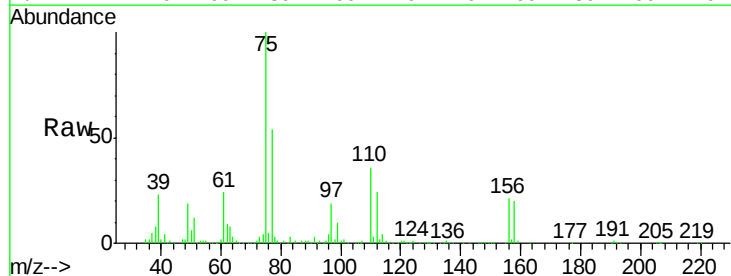
RT: 12.77 min Scan# 1782

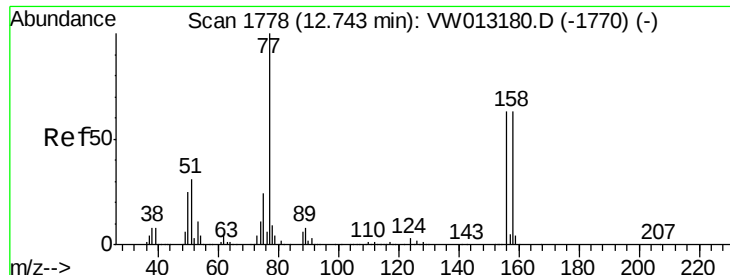
Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tgt Ion:	75	Resp:	109351
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





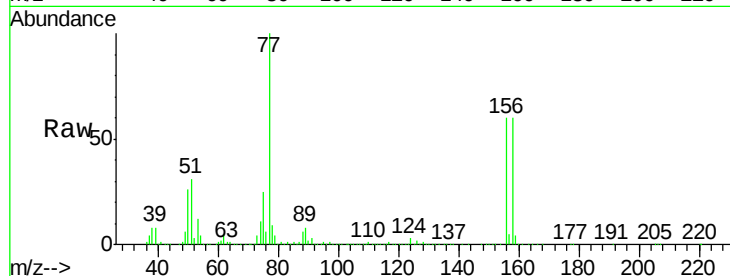
#77
Bromobenzene
Concen: 48.312 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

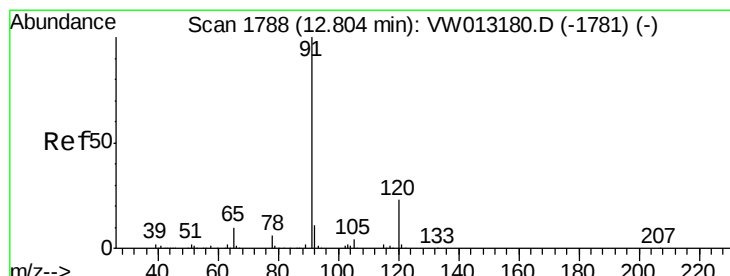
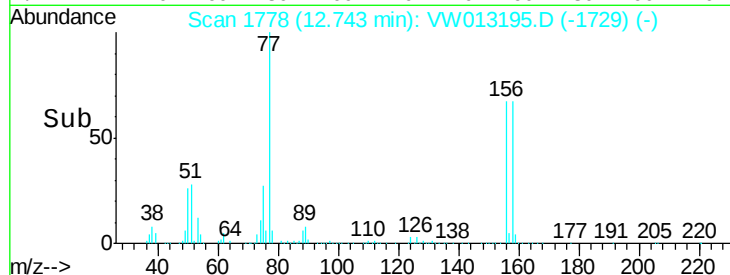
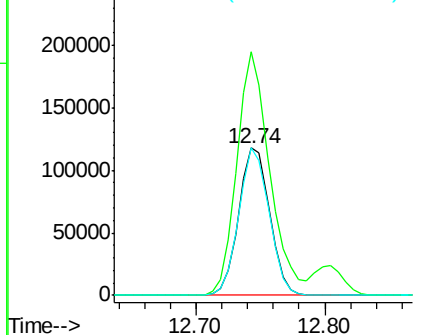
Tot Ion	Ratio	Lower	Upper
156	100		
77	175.8	85.7	257.1
158	97.4	48.1	144.4

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM

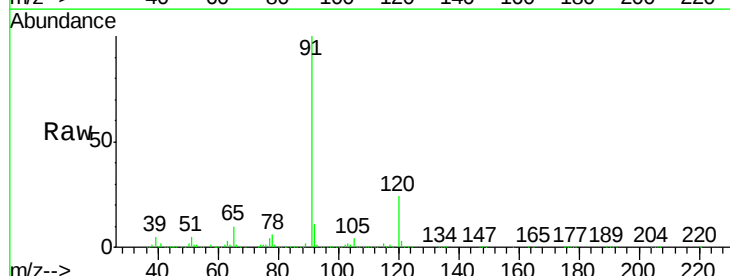


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

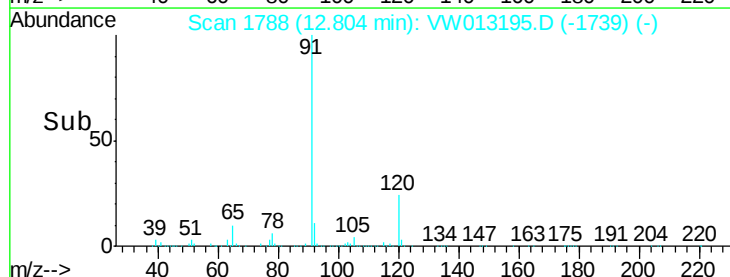
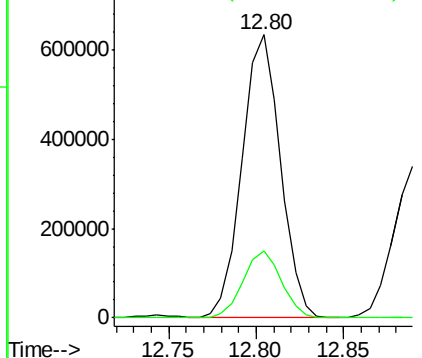


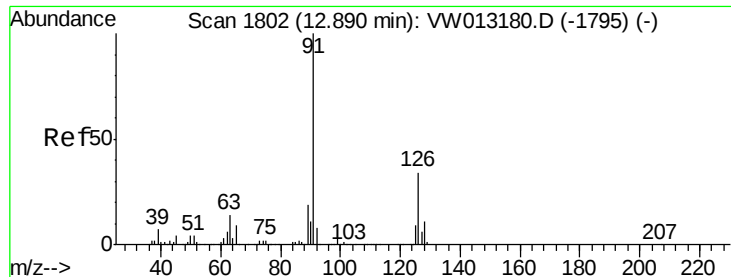
#78
n-propylbenzene
Concen: 48.228 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.447 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 544245

Ion Ratio Lower Upper

91 100

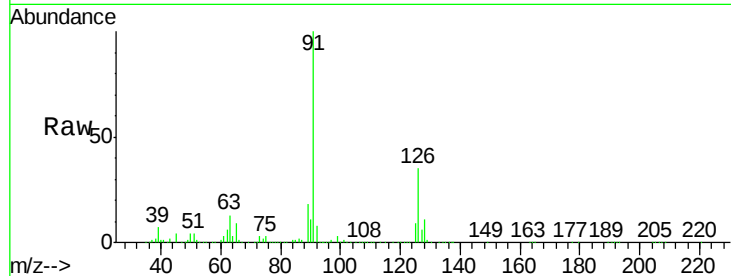
126 34.8 17.2 51.5

Manual Integrations

APPROVED

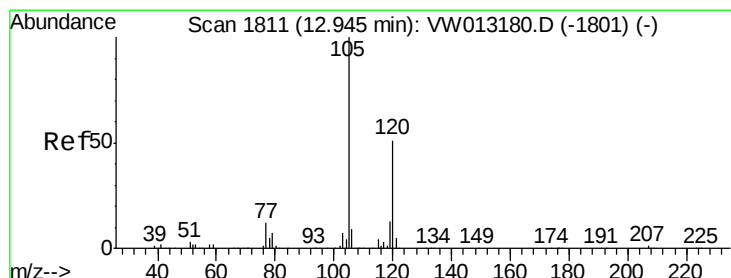
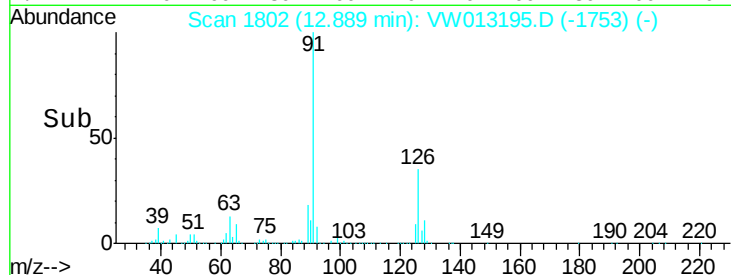
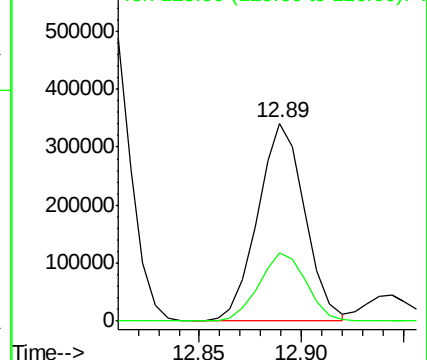
MMDadoda

9/24/2019 5:28:57 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.390 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013195.D

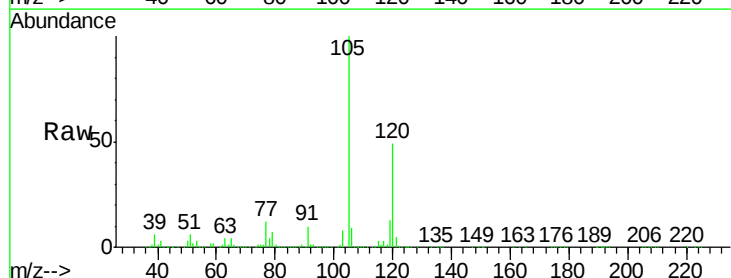
Acq: 20 Sep 2019 21:00

Tgt Ion:105 Resp: 696825

Ion Ratio Lower Upper

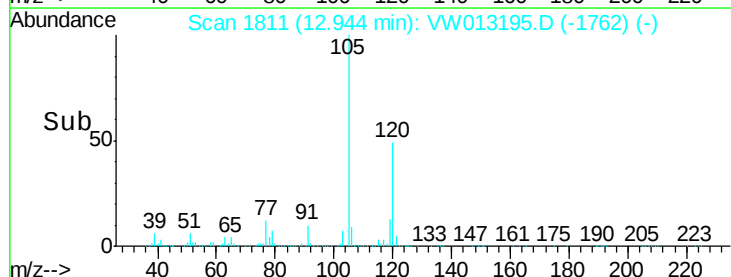
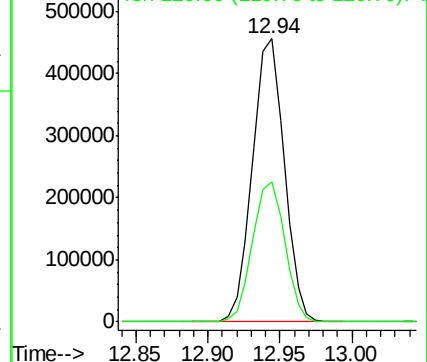
105 100

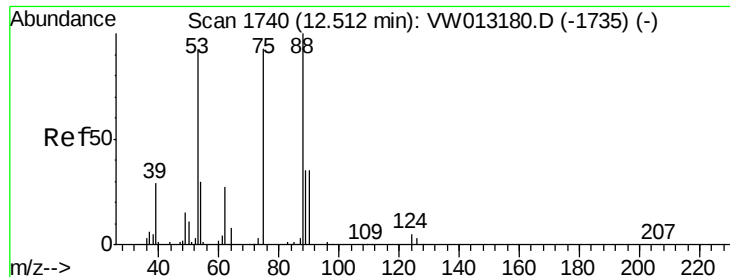
120 50.1 24.9 74.8



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: 49.072 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

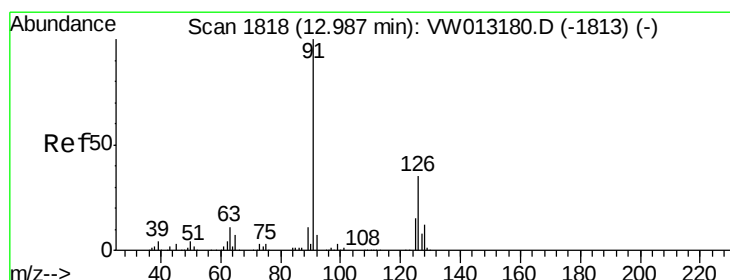
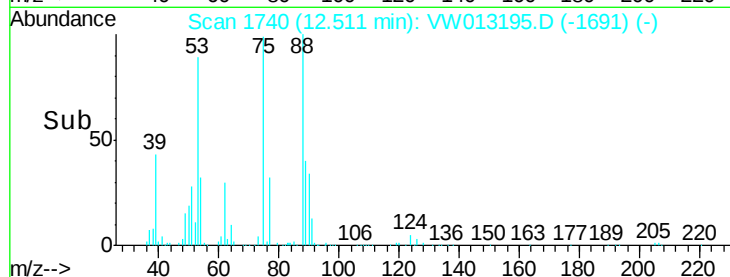
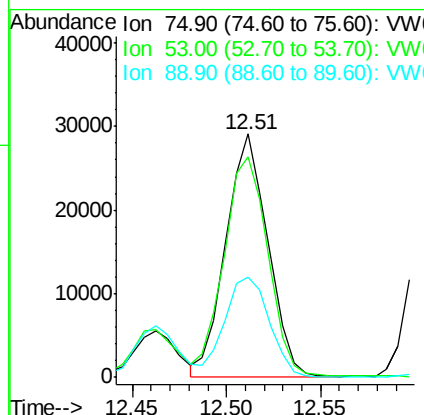
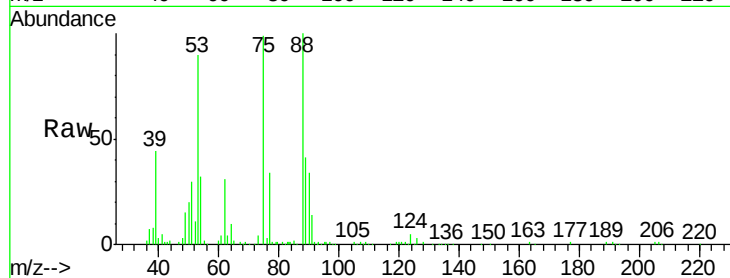
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	44787
Ion Ratio	Lower	Upper	
75	100		
53	94.5	76.6	114.8
89	43.7	33.5	50.3

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#82

4-Chlorotoluene

Concen: 48.105 ug/l

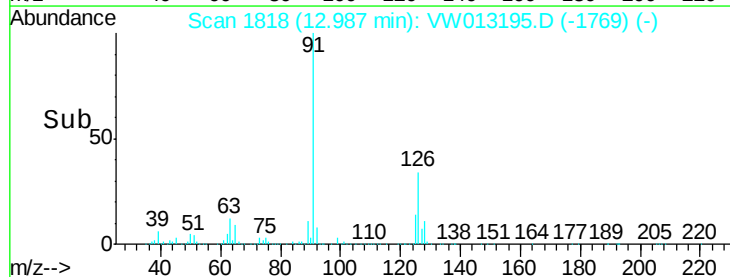
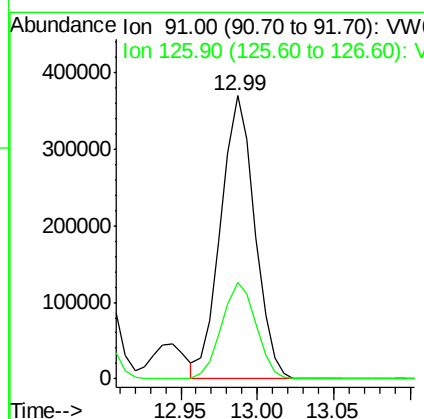
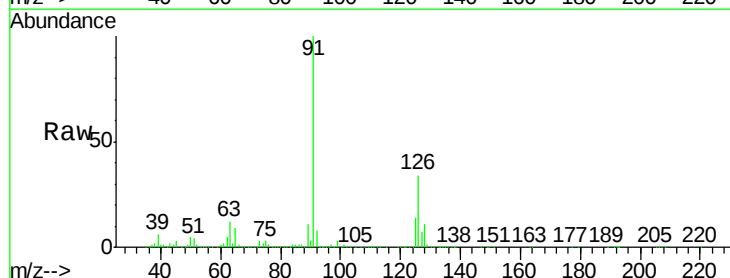
RT: 12.99 min Scan# 1818

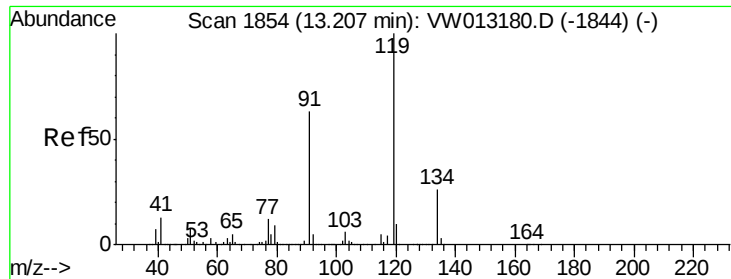
Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Tgt Ion:	91	Resp:	569876
Ion Ratio	Lower	Upper	
91	100		
126	34.6	17.3	51.7





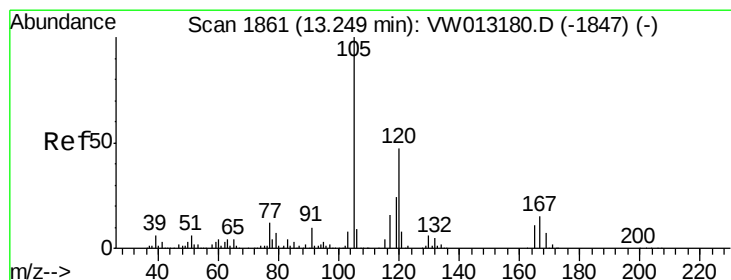
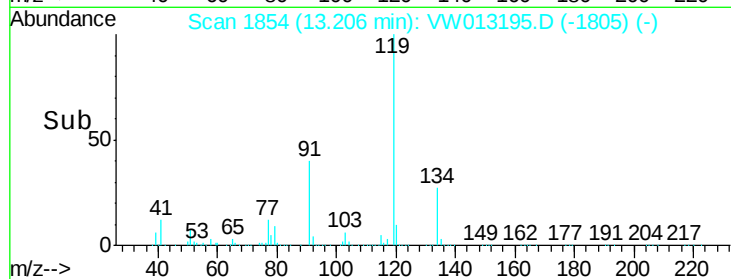
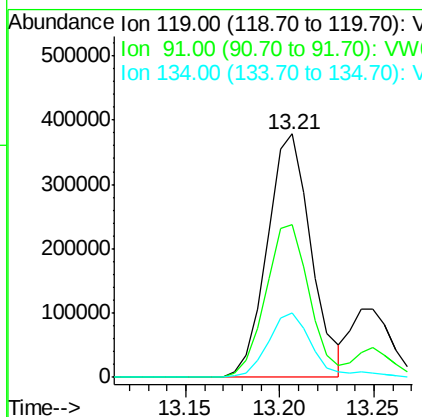
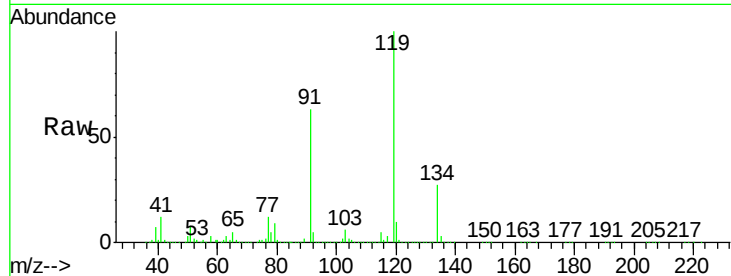
#83
tert-Butylbenzene
Concen: 48.320 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	27.3	12.6	37.6

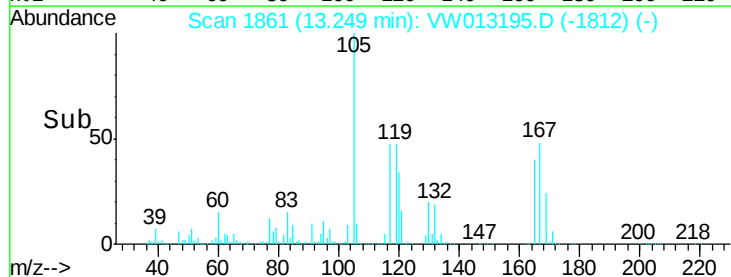
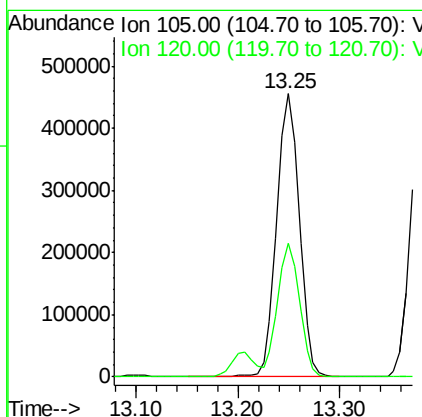
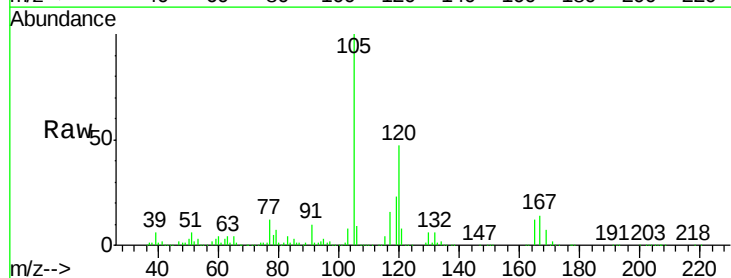
Manual Integrations
APPROVED

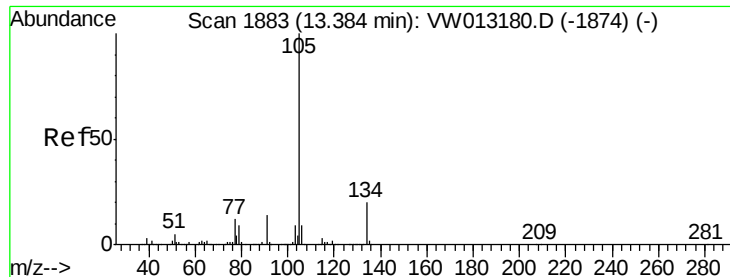
MMDadoda
9/24/2019 5:28:57 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.705 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.185 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 839646

Ion Ratio Lower Upper

105 100

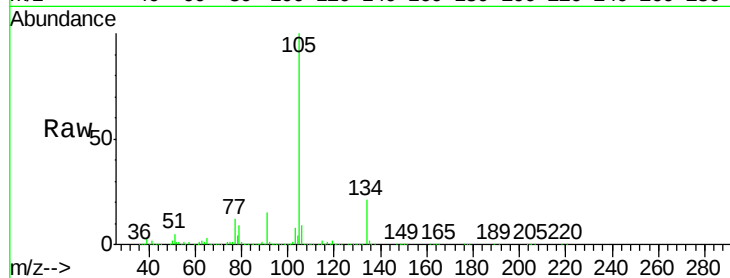
134 20.6 10.3 30.8

Manual Integrations

APPROVED

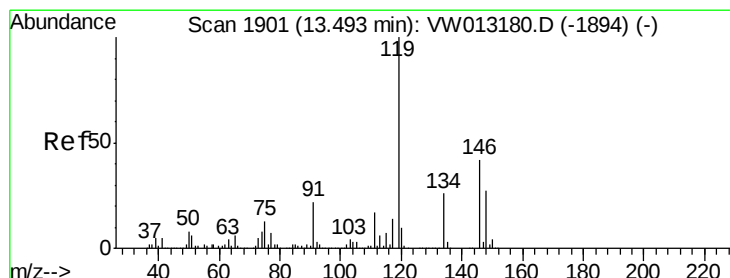
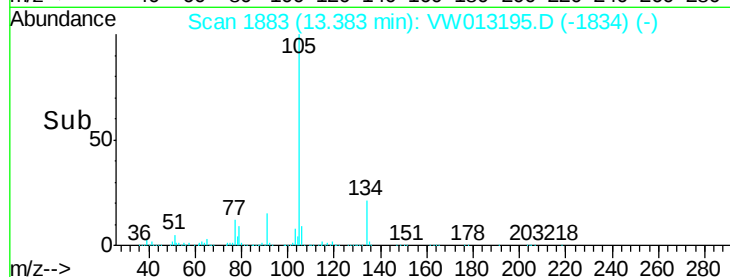
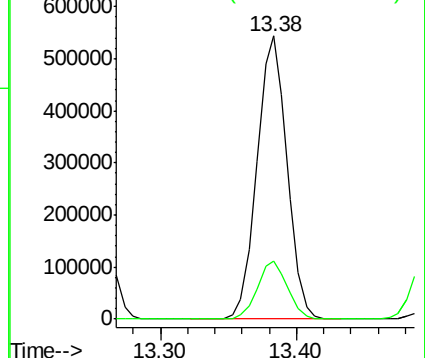
MMDadoda

9/24/2019 5:28:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.480 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW013195.D

Acq: 20 Sep 2019 21:00

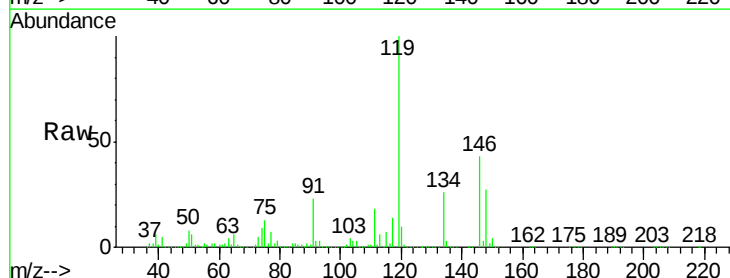
Tgt Ion:119 Resp: 783549

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

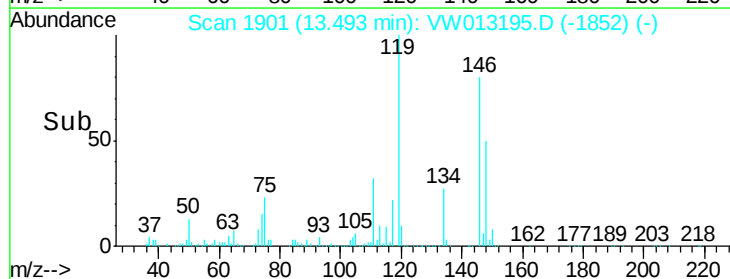
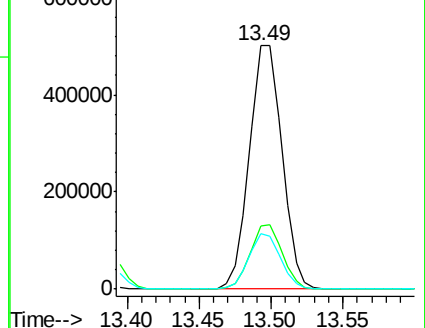
91 21.9 10.8 32.4

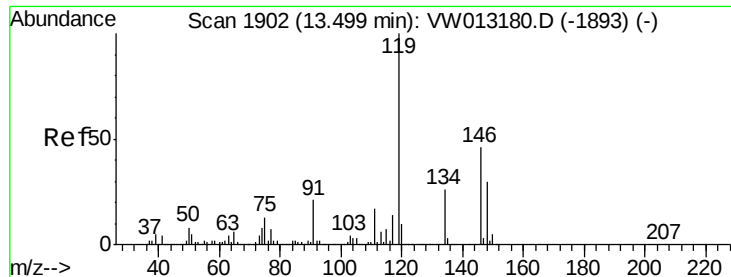


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





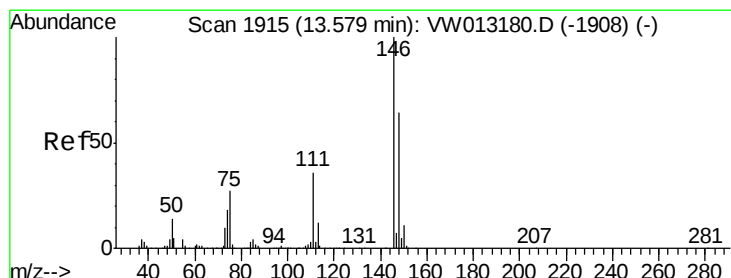
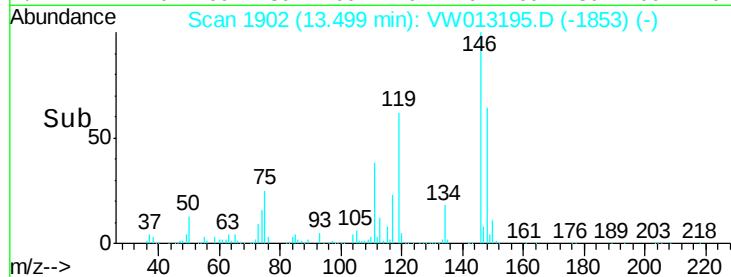
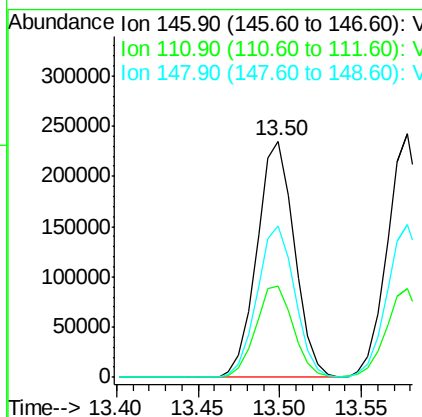
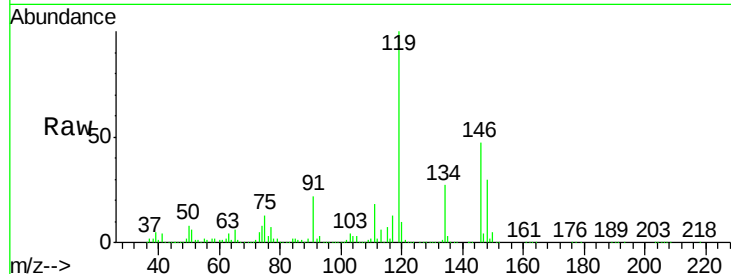
#87
 1,3-Dichlorobenzene
 Concen: 48.024 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	375201		
111	38.8	18.9	56.9	
148	64.2	31.9	95.5	

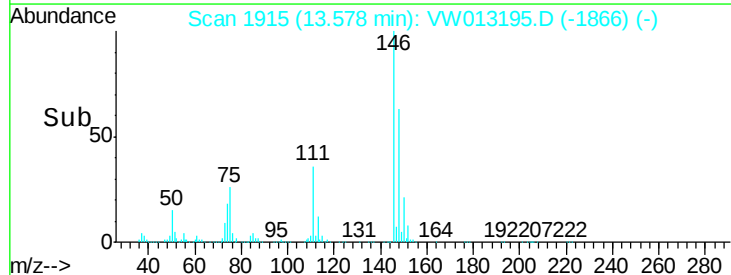
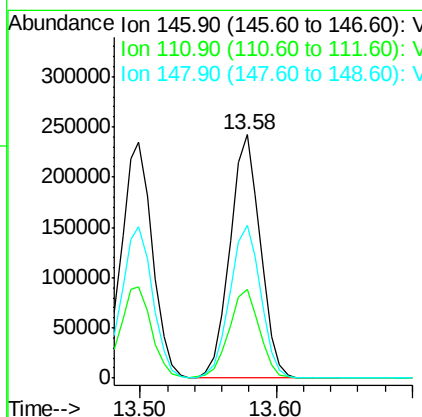
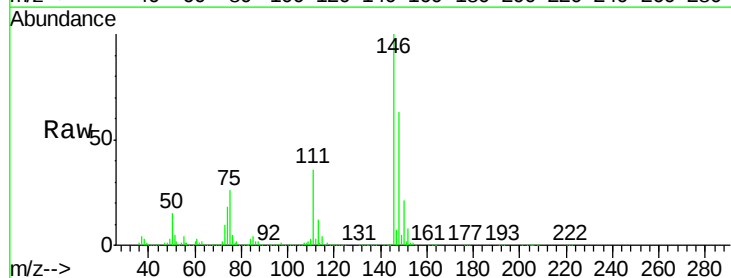
Manual Integrations
 APPROVED

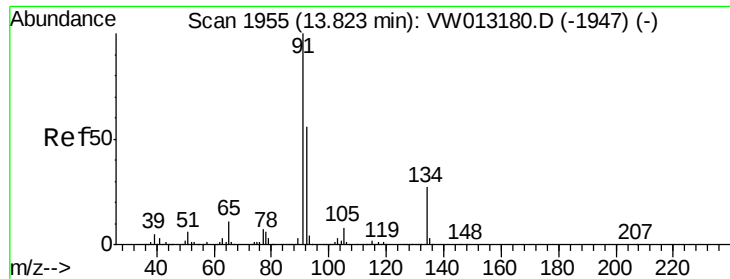
MMDadoda
 9/24/2019 5:28:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.078 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	376053		
111	37.1	18.4	55.0	
148	64.0	32.1	96.3	





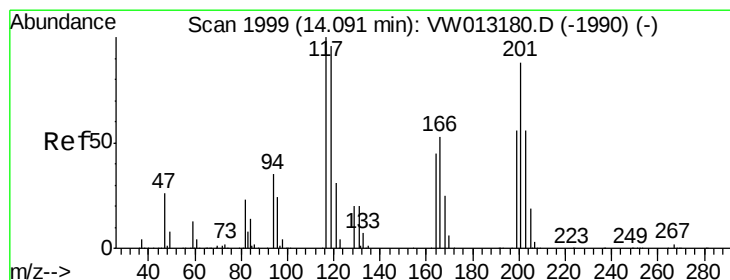
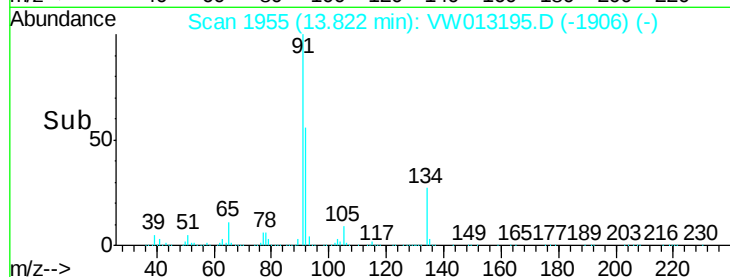
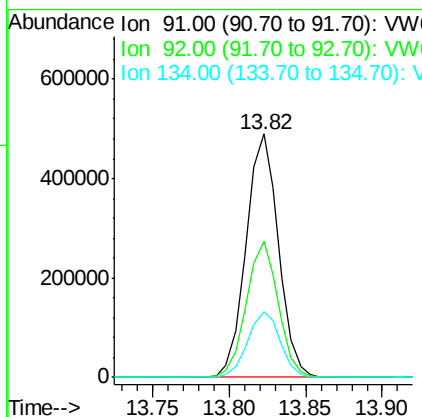
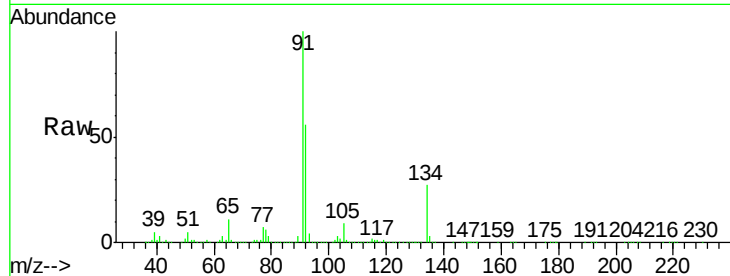
#89
n-Butylbenzene
Concen: 48.489 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	71584		
92	55.1		27.6	82.8
134	27.4		13.7	41.1

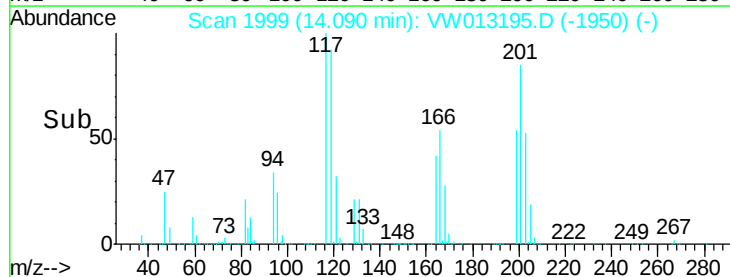
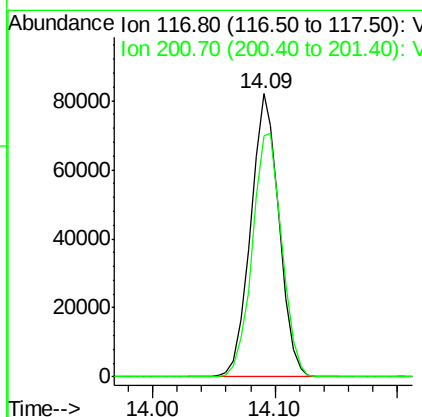
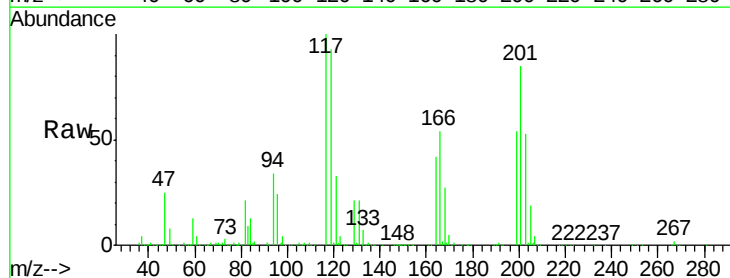
Manual Integrations
APPROVED

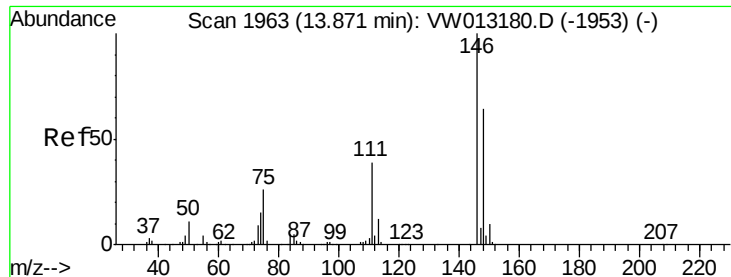
MMDadoda
9/24/2019 5:28:57 AM



#90
Hexachloroethane
Concen: 48.790 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	132471		
201	89.5		44.5	133.5





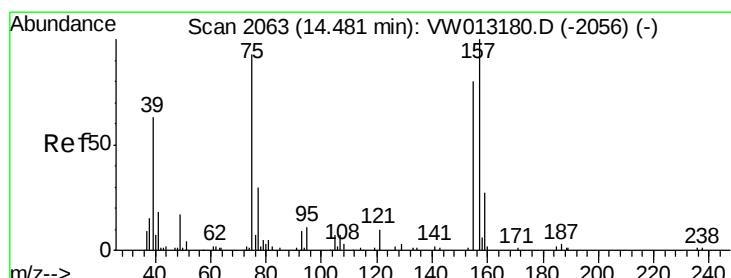
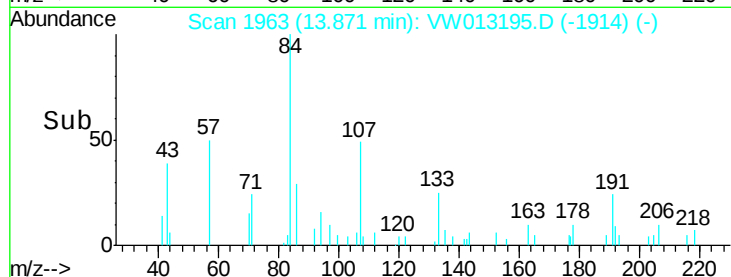
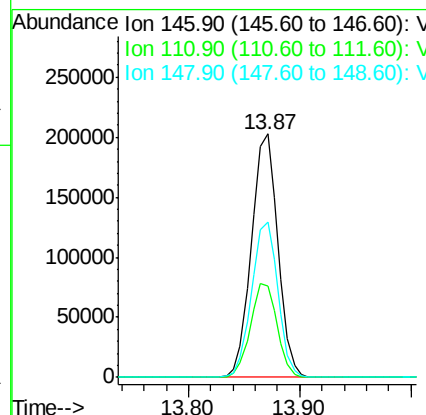
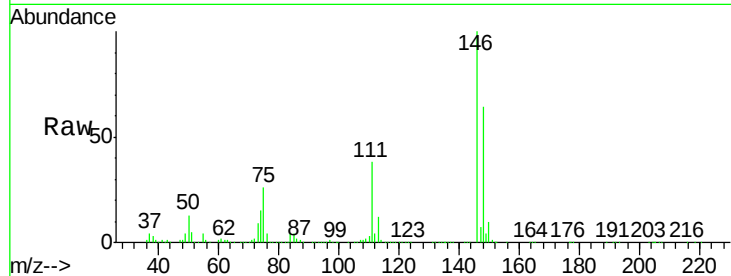
#91
 1,2-Dichlorobenzene
 Concen: 49.546 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.1	60.3
148	63.6	32.0	96.0

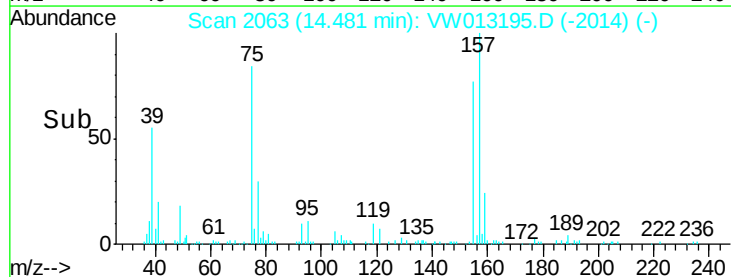
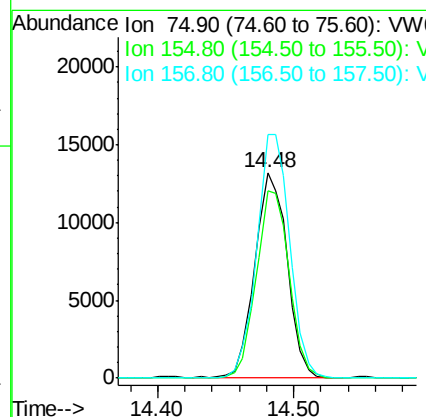
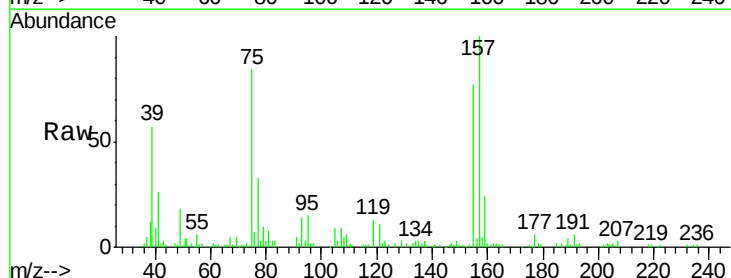
Manual Integrations
 APPROVED

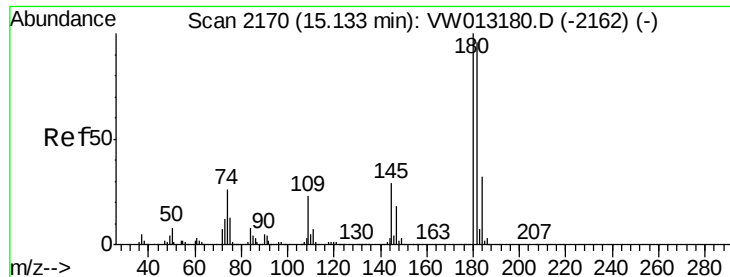
MMDadoda
 9/24/2019 5:28:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.674 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	46.1	138.3
157	120.0	60.4	181.2





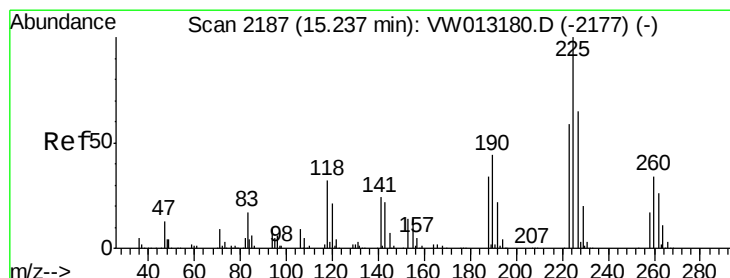
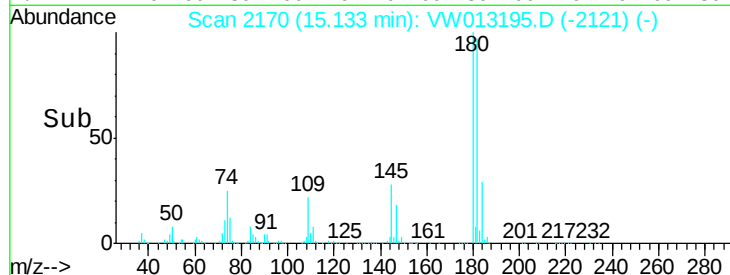
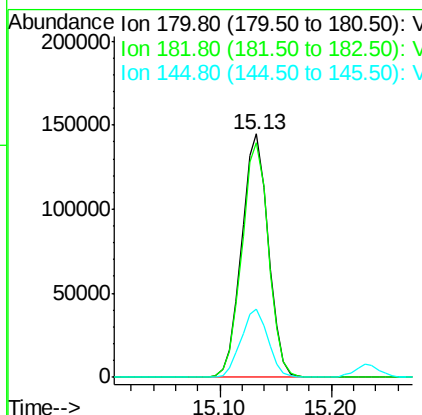
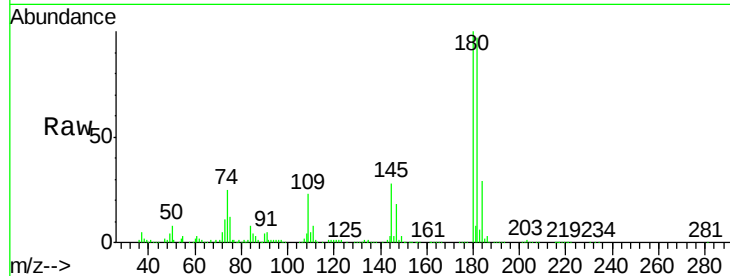
#93
 1,2,4-Trichlorobenzene
 Concen: 49.563 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	240053		
182	96.4	47.3	142.0	
145	28.6	14.2	42.8	

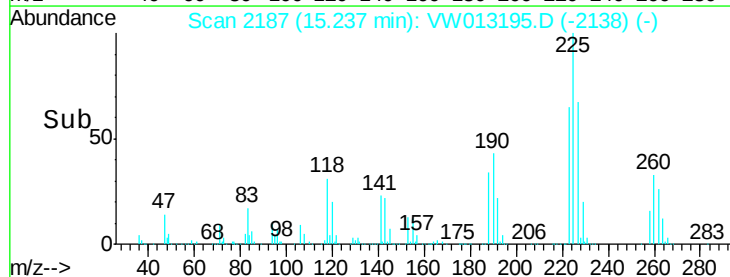
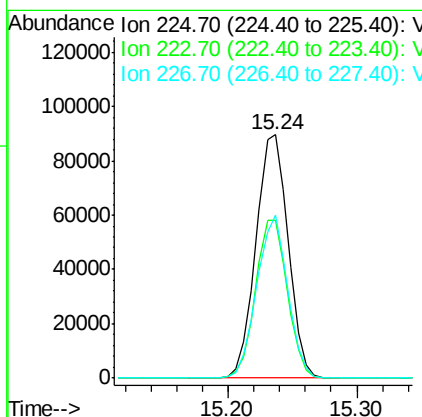
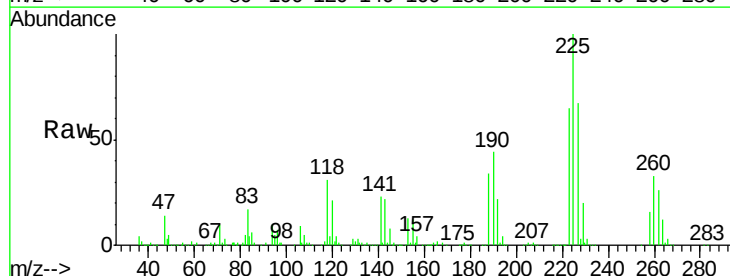
Manual Integrations
 APPROVED

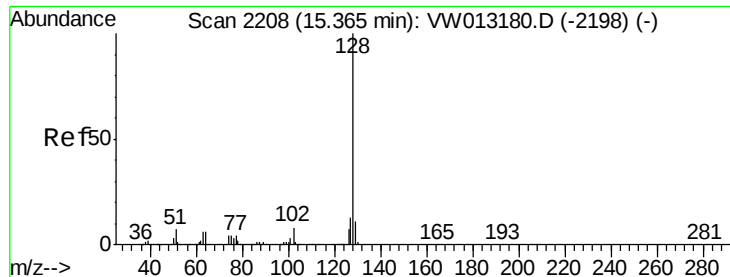
MMDadoda
 9/24/2019 5:28:57 AM



#94
 Hexachlorobutadiene
 Concen: 46.674 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013195.D
 Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154658		
223	64.0	30.6	91.8	
227	64.0	31.9	95.9	





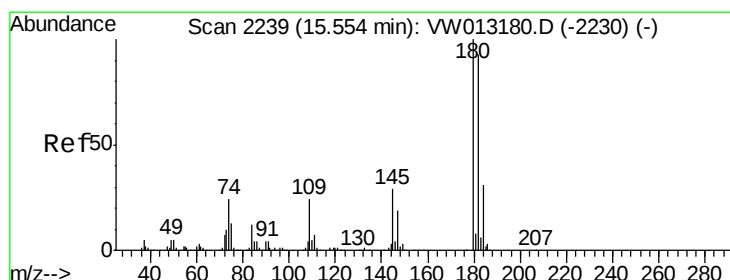
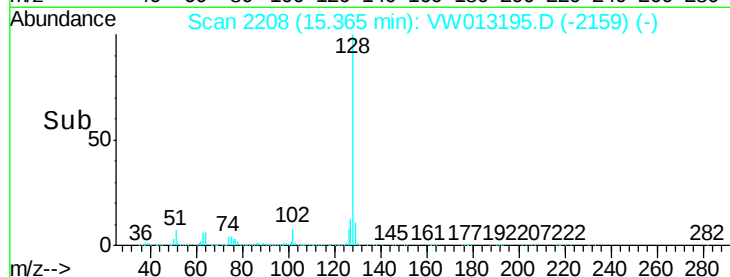
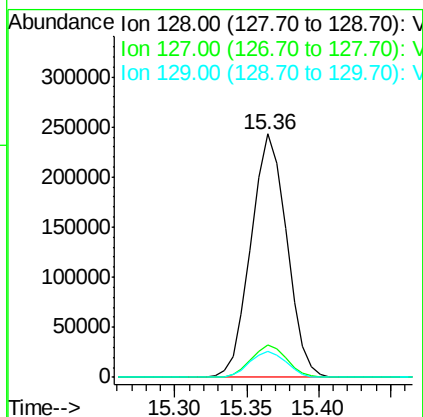
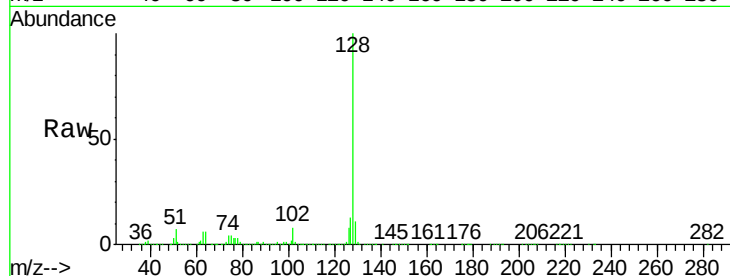
#95
Naphthalene
Concen: 52.867 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.827 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013195.D
Acq: 20 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.7
145	30.4	15.0	45.0

