

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013936.D
 Acq On : 08 Nov 2019 10:41
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 12:58:08 PM

Quant Time: Nov 09 03:27:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	327492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	195206	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	120191	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	7.88	113	130865	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
50) Toluene-d8	10.32	98	542667	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.62	95	179350	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	72174	41.832	ug/l	100
3) Chloromethane	2.21	50	89793	48.426	ug/l	99
4) Vinyl Chloride	2.36	62	142499	50.888	ug/l	100
5) Bromomethane	2.78	94	93621	50.836	ug/l	99
6) Chloroethane	2.92	64	87612	51.706	ug/l	100
7) Trichlorofluoromethane	3.26	101	98305	56.204	ug/l	99
8) Diethyl Ether	3.68	74	66507	47.065	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	145121	51.038	ug/l	99
10) Methyl Iodide	4.27	142	231104	49.877	ug/l	100
11) Tert butyl alcohol	5.16	59	40144	273.720	ug/l	98
12) 1,1-Dichloroethene	4.04	96	150241	51.153	ug/l	98
13) Acrolein	3.89	56	48574	289.089	ug/l	97
14) Allyl chloride	4.67	41	233727	51.752	ug/l	99
15) Acrylonitrile	5.36	53	143160	249.149	ug/l	99
16) Acetone	4.12	43	171450	329.140	ug/l	94
17) Carbon Disulfide	4.38	76	433411	51.382	ug/l	98
18) Methyl Acetate	4.67	43	67180	47.048	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	175467	49.784	ug/l	99
20) Methylene Chloride	4.91	84	148203	51.891	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	160917	50.904	ug/l	98
22) Diisopropyl ether	6.31	45	417232	50.646	ug/l	98
23) Vinyl Acetate	6.25	43	1187864	248.501	ug/l	99
24) 1,1-Dichloroethane	6.21	63	268085	51.383	ug/l	99
25) 2-Butanone	7.17	43	195664	261.270	ug/l	95
26) 2,2-Dichloropropane	7.16	77	160141	53.080	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	169714	50.545	ug/l	98
28) Bromochloromethane	7.51	49	93517	50.300	ug/l #	98
29) Tetrahydrofuran	7.52	42	117437	253.291	ug/l	98
30) Chloroform	7.68	83	256097	49.654	ug/l	100
31) Cyclohexane	7.95	56	267457	48.984	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	219611	54.260	ug/l	98
36) 1,1-Dichloropropene	8.08	75	227045	53.526	ug/l	99
37) Ethyl Acetate	7.24	43	79751	49.115	ug/l	99
38) Carbon Tetrachloride	8.07	117	209293	54.792	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013936.D
 Acq On : 08 Nov 2019 10:41
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 12:58:08 PM

Quant Time: Nov 09 03:27:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	293239	53.532	ug/l	97
40) Benzene	8.32	78	623401	51.931	ug/l	98
41) Methacrylonitrile	7.48	41	49447	48.834	ug/l	94
42) 1,2-Dichloroethane	8.40	62	152799	50.512	ug/l	99
43) Isopropyl Acetate	8.42	43	149983	48.255	ug/l	99
44) Trichloroethene	9.09	130	178513	51.914	ug/l	99
45) 1,2-Dichloropropane	9.37	63	146675	51.154	ug/l	98
46) Dibromomethane	9.46	93	70310	50.522	ug/l	98
47) Bromodichloromethane	9.64	83	185281	51.455	ug/l	99
48) Methyl methacrylate	9.43	41	75326	48.872	ug/l	97
49) 1,4-Dioxane	9.44	88	24048	1169.380	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	379328	245.604	ug/l	100
52) Toluene	10.38	92	405071	52.313	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	189049	51.862	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	231284	51.426	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	101307	48.845	ug/l	98
56) Ethyl methacrylate	10.65	69	130952	50.465	ug/l	99
57) 1,3-Dichloropropane	10.93	76	177145	49.771	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	281224	235.477	ug/l	99
59) 2-Hexanone	10.96	43	281217	264.116	ug/l	99
60) Dibromochloromethane	11.13	129	127460	51.759	ug/l	99
61) 1,2-Dibromoethane	11.23	107	97446	49.662	ug/l	100
64) Tetrachloroethene	10.86	164	153890	52.004	ug/l	97
65) Chlorobenzene	11.66	112	416790	52.367	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	147308	53.033	ug/l	99
67) Ethyl Benzene	11.73	91	767000	53.444	ug/l	100
68) m/p-Xylenes	11.84	106	593962	107.122	ug/l	98
69) o-Xylene	12.16	106	270726	53.120	ug/l	98
70) Styrene	12.18	104	465289	53.136	ug/l	99
71) Bromoform	12.35	173	74813	51.324	ug/l #	97
73) Isopropylbenzene	12.46	105	768728	54.837	ug/l	100
74) N-amyl acetate	12.27	43	140265	51.725	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	111088	50.217	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	84867m	60.539	ug/l	
77) Bromobenzene	12.74	156	175431	52.386	ug/l	98
78) n-propylbenzene	12.80	91	902797	55.641	ug/l	100
79) 2-Chlorotoluene	12.89	91	496997	54.506	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	647087	54.681	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	38284	51.611	ug/l	99
82) 4-Chlorotoluene	12.99	91	516284	53.933	ug/l	100
83) tert-Butylbenzene	13.21	119	580592	55.272	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	639664	54.797	ug/l	99
85) sec-Butylbenzene	13.38	105	799304	55.646	ug/l	99
86) p-Isopropyltoluene	13.50	119	744916	55.672	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	348584	53.724	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	339954	52.739	ug/l	100
89) n-Butylbenzene	13.82	91	678502	56.179	ug/l	99
90) Hexachloroethane	14.09	117	128402	55.209	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	297569	52.893	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17157	51.289	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
Data File : VW013936.D
Acq On : 08 Nov 2019 10:41
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

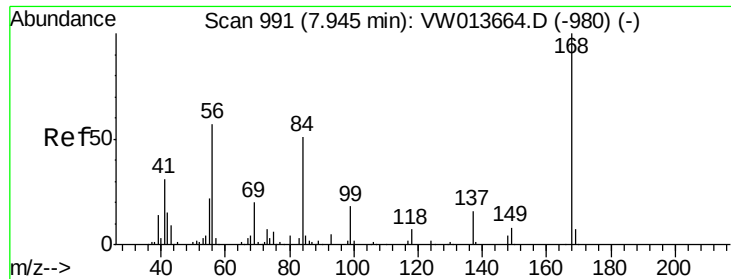
Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM

Quant Time: Nov 09 03:27:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	217597	53.146	ug/l	99
94) Hexachlorobutadiene	15.24	225	153067	55.379	ug/l	100
95) Naphthalene	15.36	128	333047	51.882	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	185184	52.490	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: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 327492

Ion Ratio Lower Upper

168 100

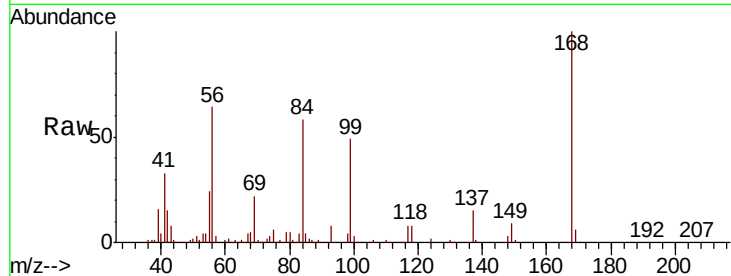
99 49.1 39.0 58.6

Manual Integrations

APPROVED

MMDadoda

11/12/2019 12:58:08 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

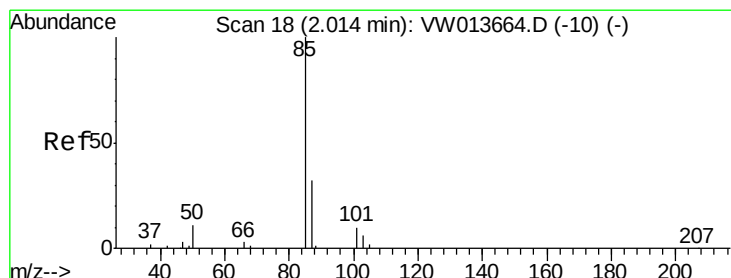
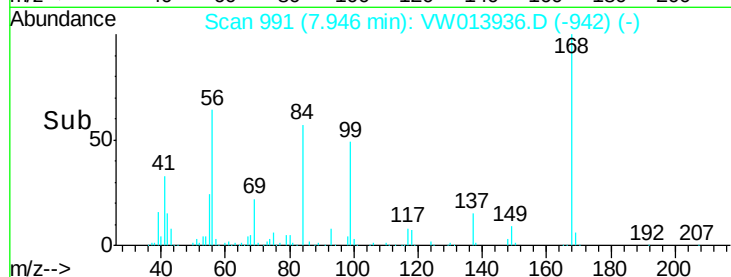
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 41.832 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013936.D

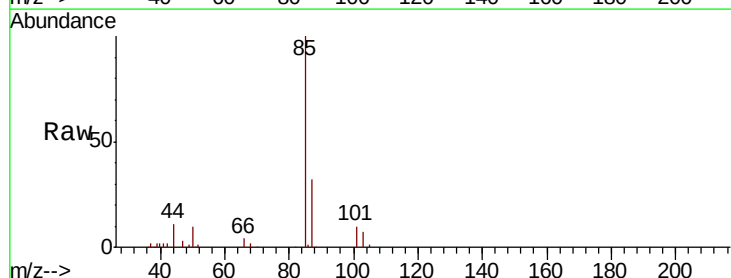
Acq: 08 Nov 2019 10:41

Tgt Ion: 85 Resp: 72174

Ion Ratio Lower Upper

85 100

87 32.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

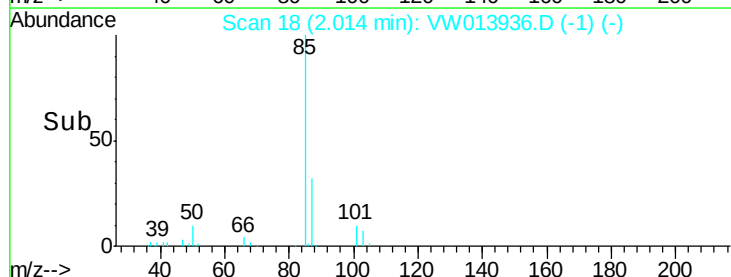
15000

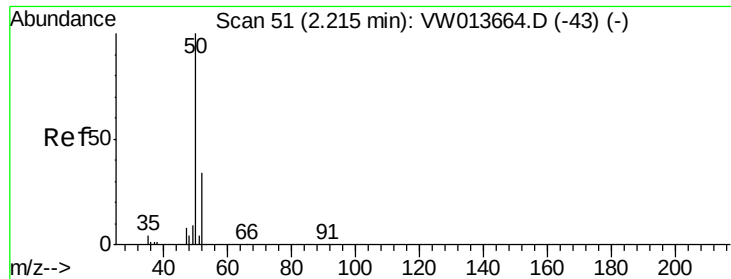
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 48.426 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 89793

Ion Ratio Lower Upper

50 100

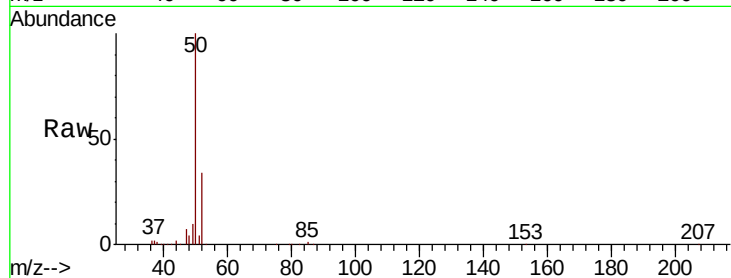
52 34.3 26.9 40.3

Manual Integrations

APPROVED

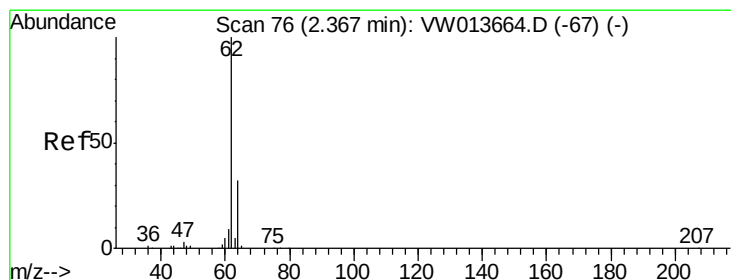
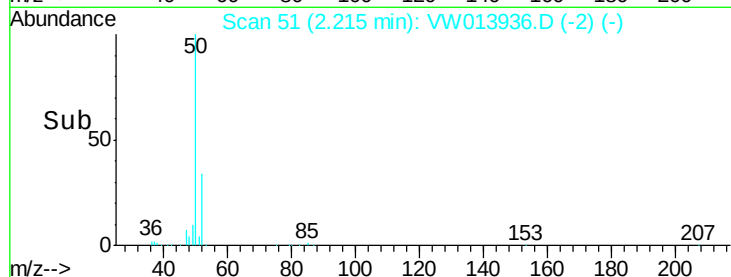
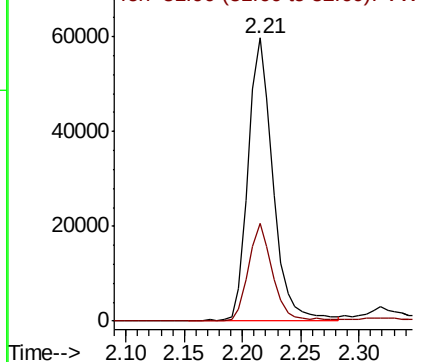
MMDadoda

11/12/2019 12:58:08 PM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 50.888 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013936.D

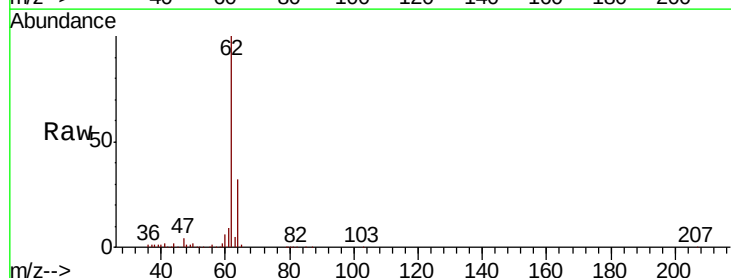
Acq: 08 Nov 2019 10:41

Tgt Ion: 62 Resp: 142499

Ion Ratio Lower Upper

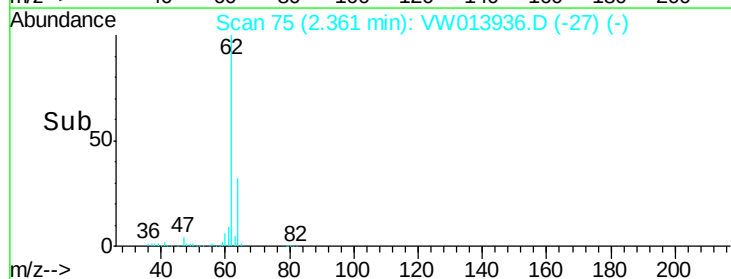
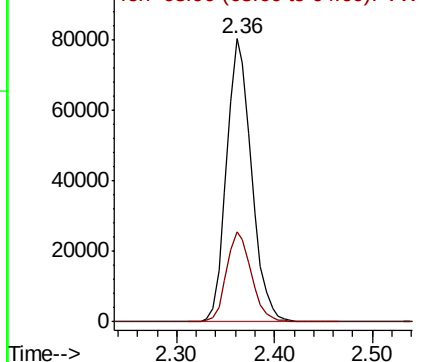
62 100

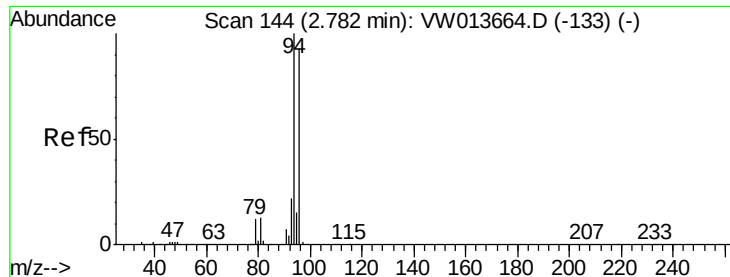
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 50.836 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 93621

Ion Ratio Lower Upper

94 100

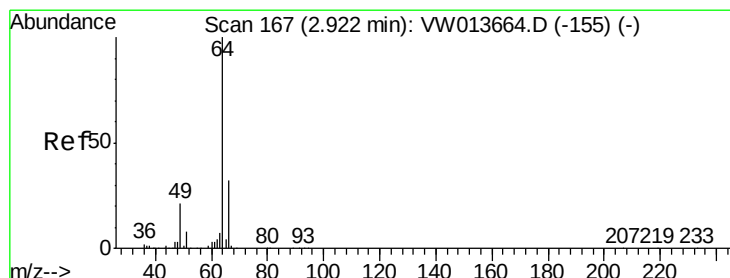
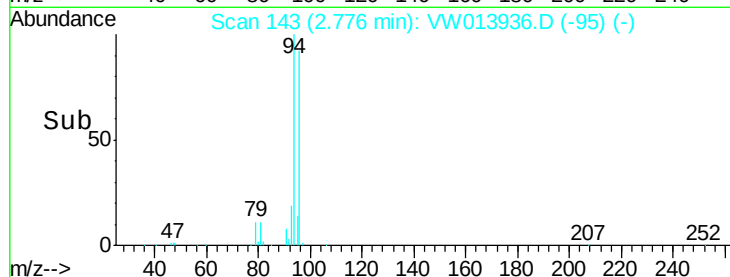
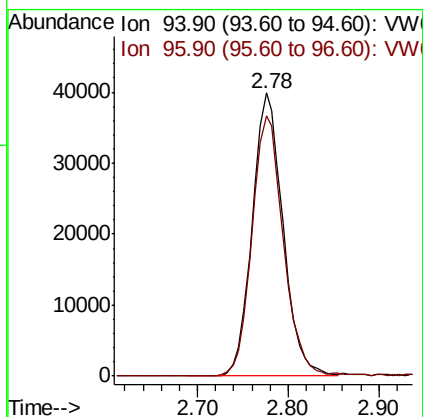
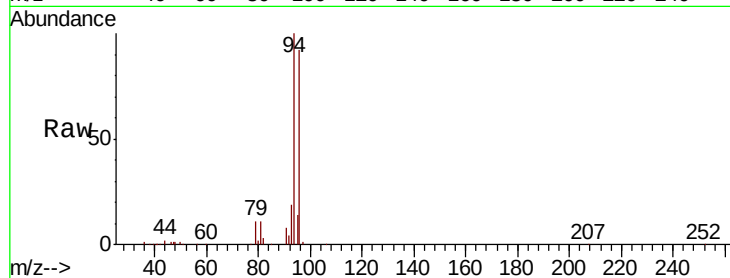
96 92.0 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

11/12/2019 12:58:08 PM



#6

Chloroethane

Concen: 51.706 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013936.D

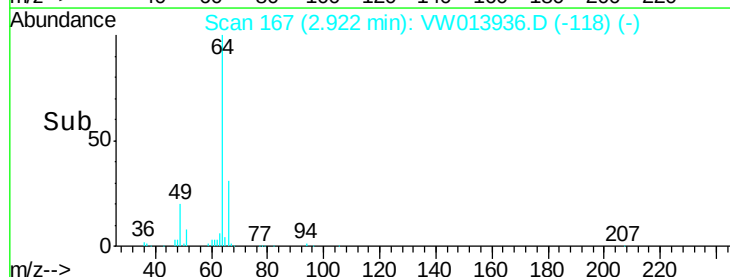
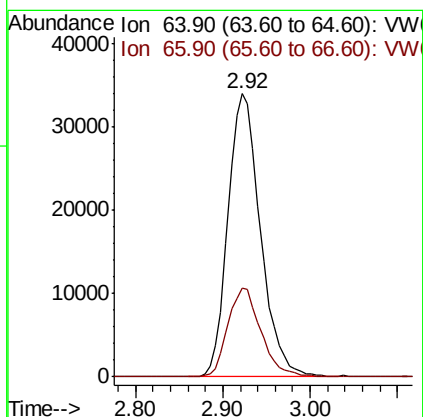
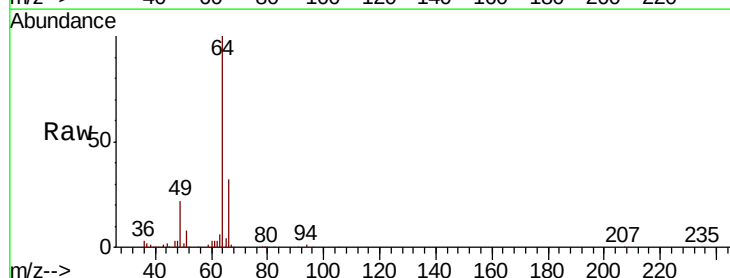
Acq: 08 Nov 2019 10:41

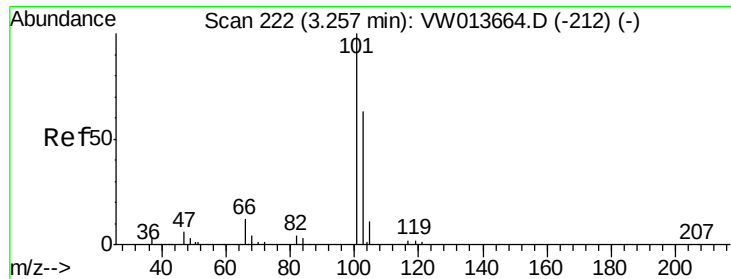
Tgt Ion: 64 Resp: 87612

Ion Ratio Lower Upper

64 100

66 31.5 25.4 38.0





#7

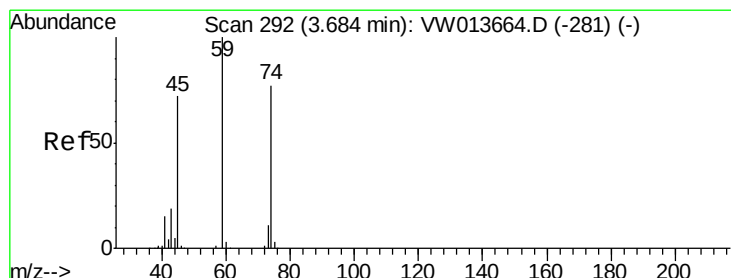
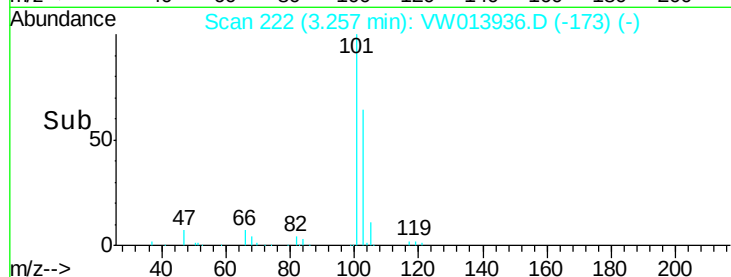
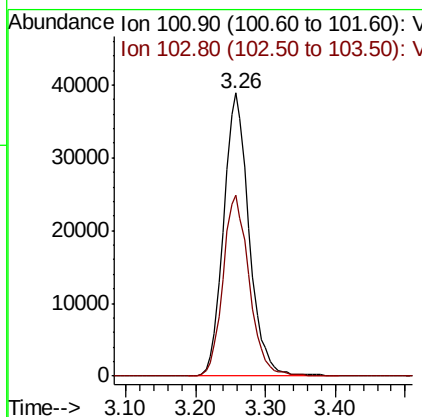
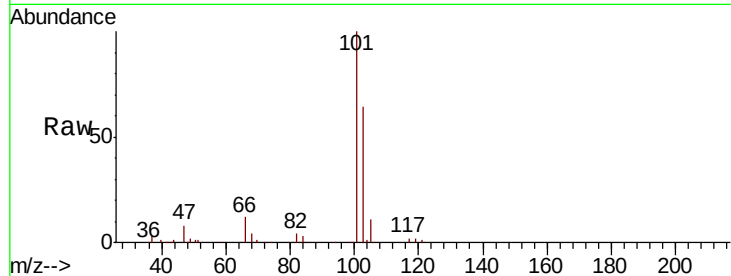
Trichlorofluoromethane
Concen: 56.204 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.6	76.0

Manual Integrations
APPROVED

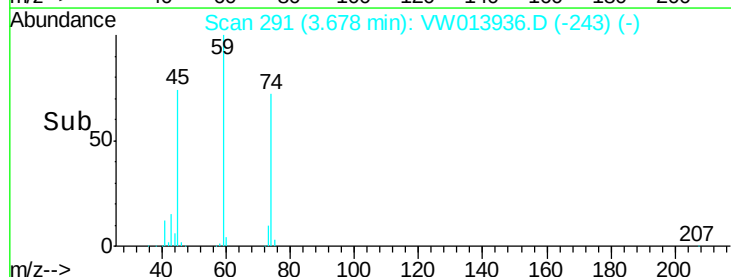
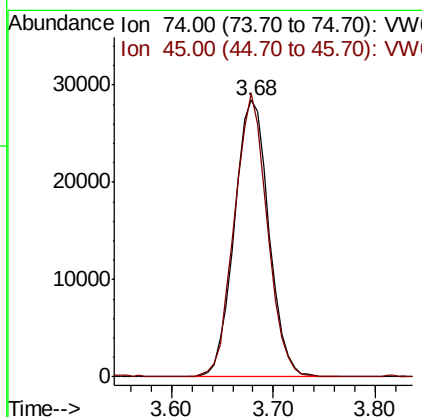
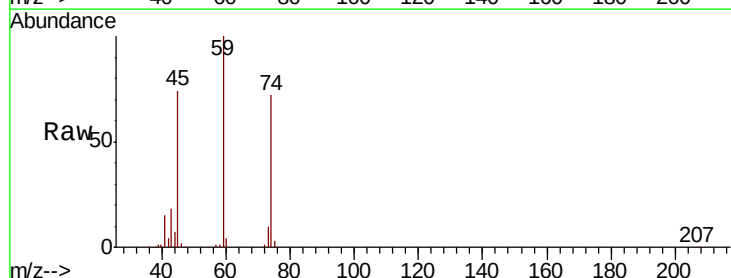
MMDadoda
11/12/2019 12:58:08 PM

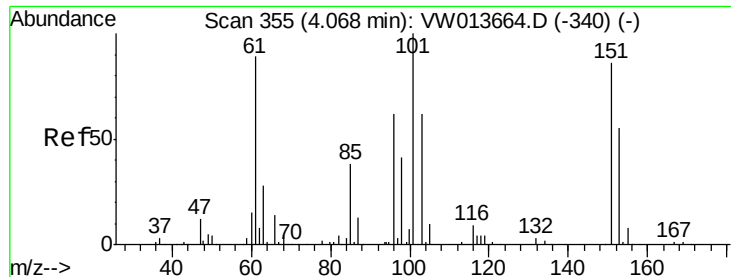


#8

Diethyl Ether
Concen: 47.065 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	47.9	143.6





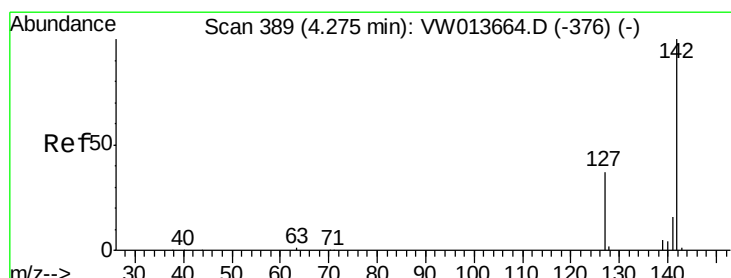
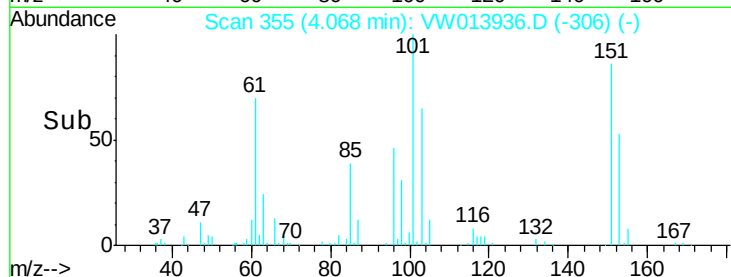
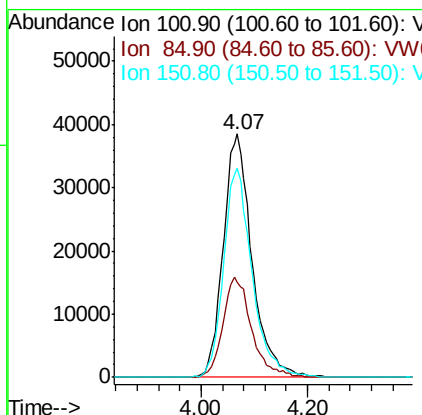
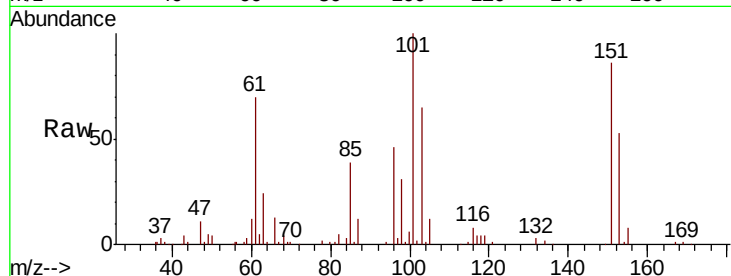
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.038 ug/l
 RT: 4.07 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	145121		
85	41.1	31.0	46.6	
151	85.7	68.2	102.4	

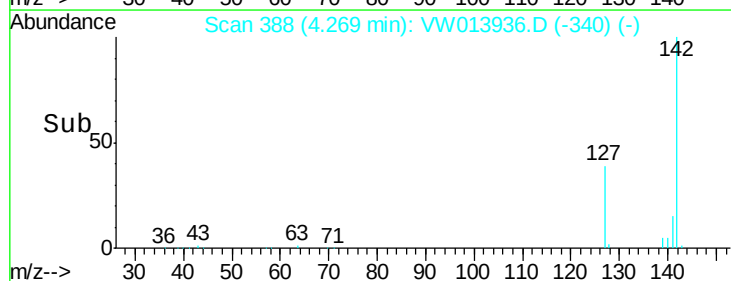
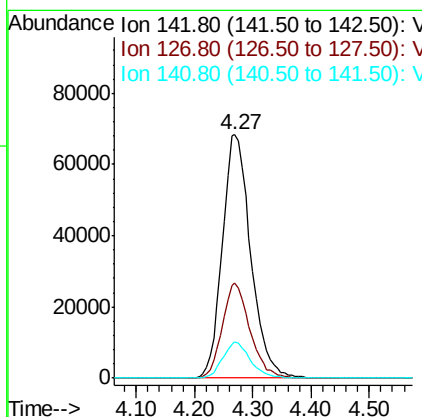
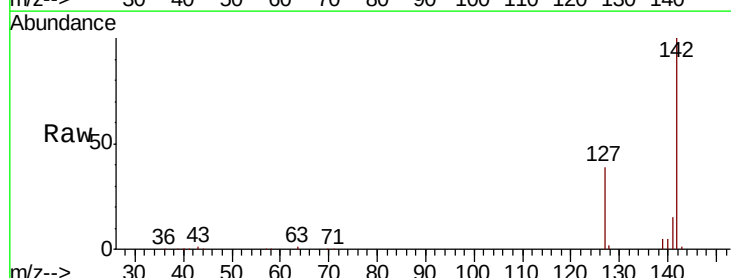
Manual Integrations
 APPROVED

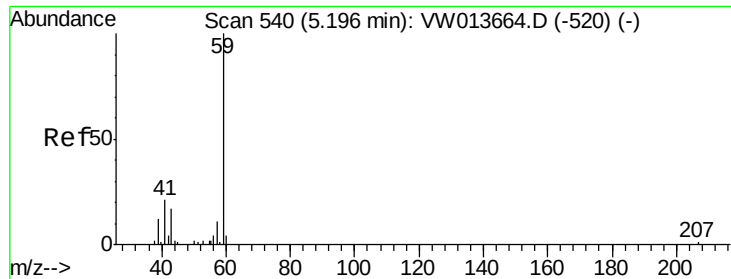
MMDadoda
 11/12/2019 12:58:08 PM



#10
 Methyl Iodide
 Concen: 49.877 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	231104		
127	38.0	30.3	45.5	
141	14.4	11.8	17.8	





#11

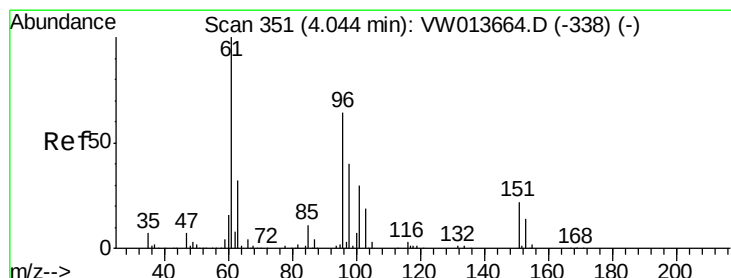
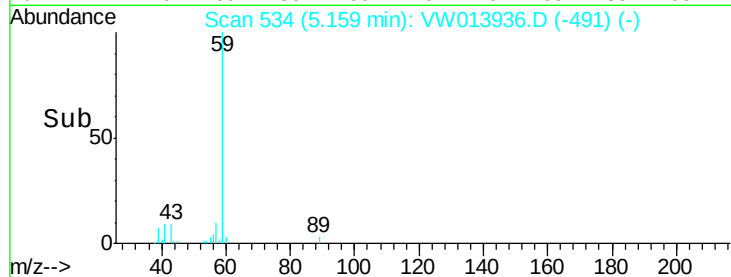
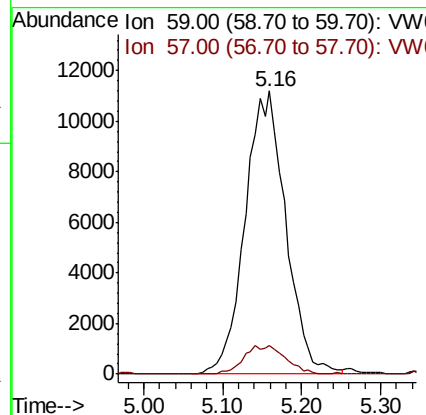
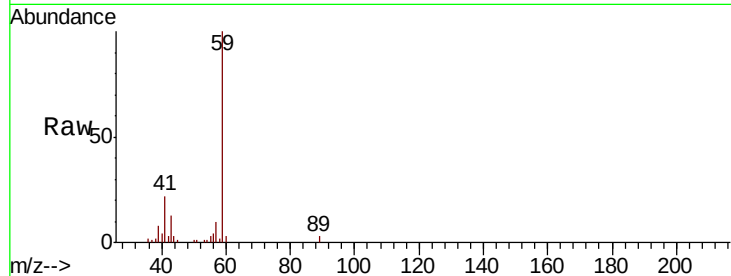
Tert butyl alcohol
Concen: 273.720 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.04 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.2	Resp	40144	Lower	Upper
59	100								
57		10.2					8.8	13.2	

Manual Integrations
APPROVED

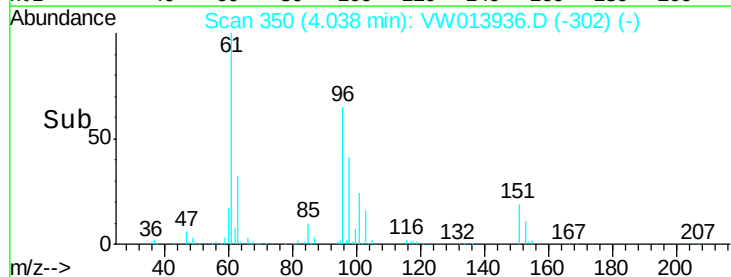
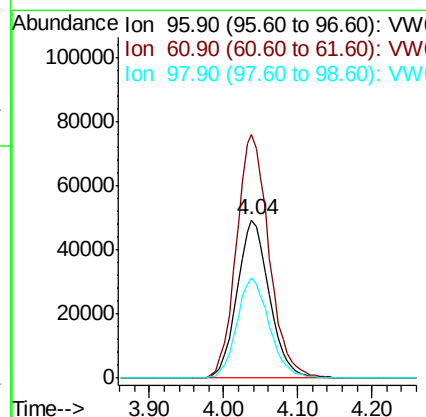
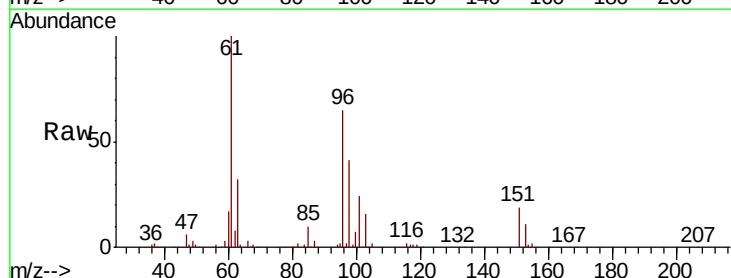
MMDadoda
11/12/2019 12:58:08 PM

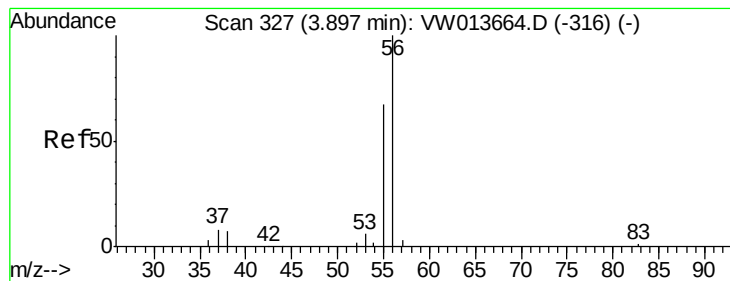


#12

1,1-Dichloroethene
Concen: 51.153 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	96	61	98	Ratio	100	153.7	63.6	Resp	150241	Lower	Upper
96	100										
61		153.7								125.0	187.6
98		63.6								50.3	75.5





#13

Acrolein

Concen: 289.089 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48574

Ion Ratio Lower Upper

56 100

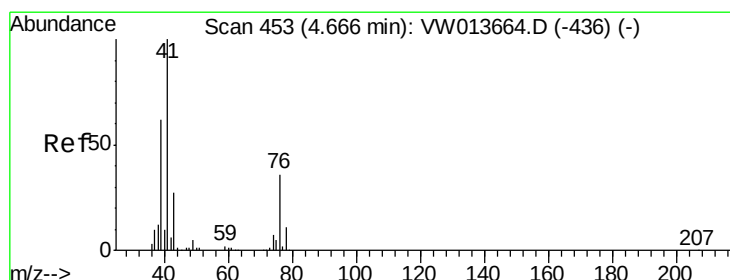
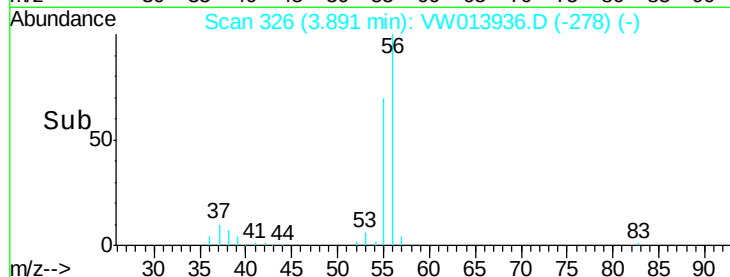
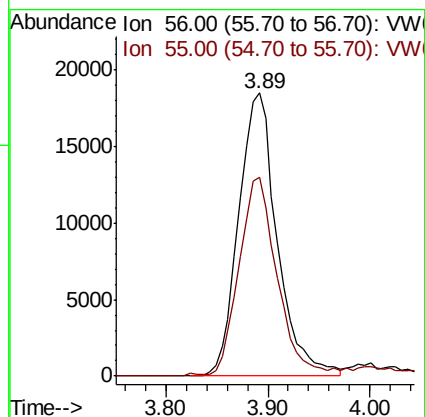
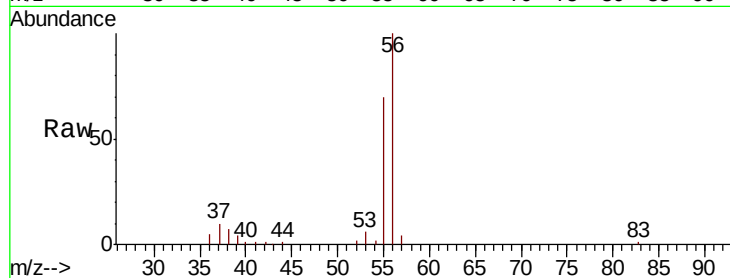
55 67.9 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

11/12/2019 12:58:08 PM



#14

Allyl chloride

Concen: 51.752 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

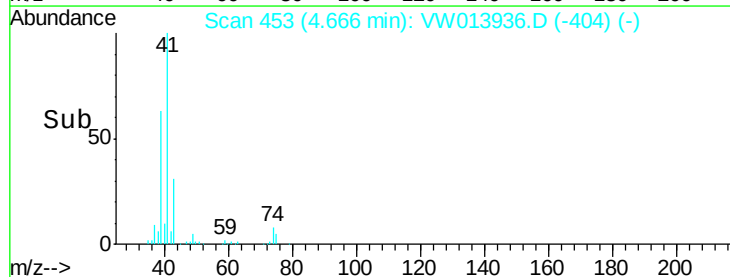
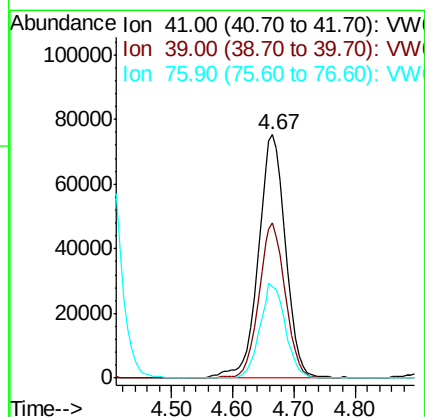
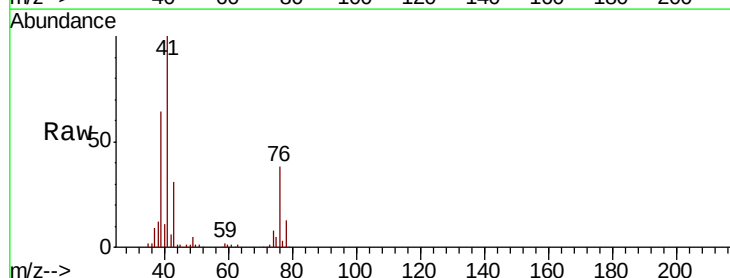
Tgt Ion: 41 Resp: 233727

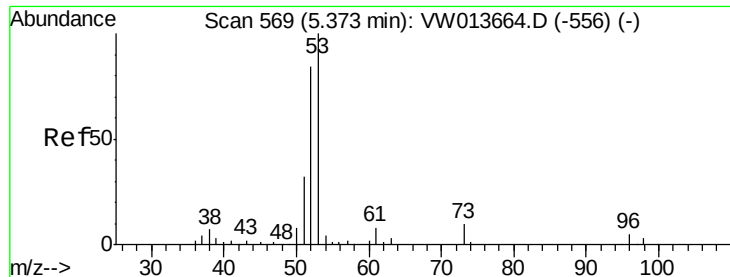
Ion Ratio Lower Upper

41 100

39 61.6 50.0 75.0

76 36.6 29.6 44.4





#15

Acrylonitrile

Concen: 249.149 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

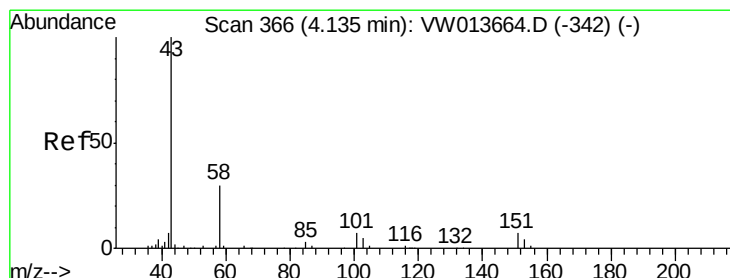
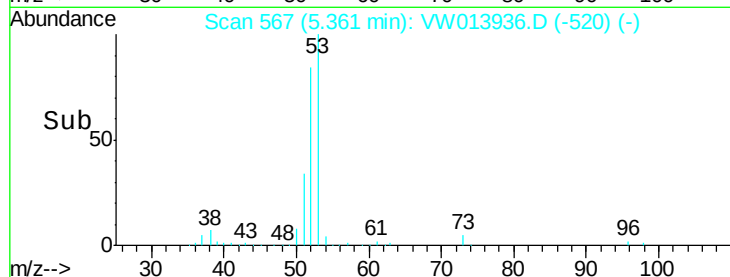
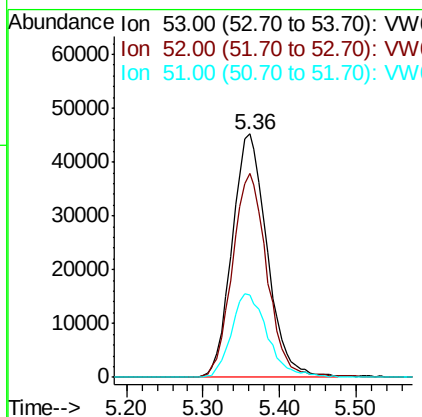
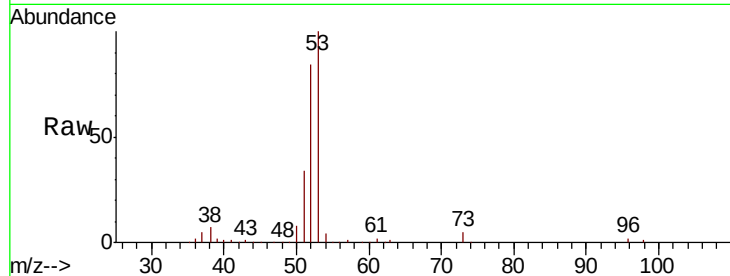
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	143160
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.4	101.0
51	36.0	29.1	43.7

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#16

Acetone

Concen: 329.140 ug/l

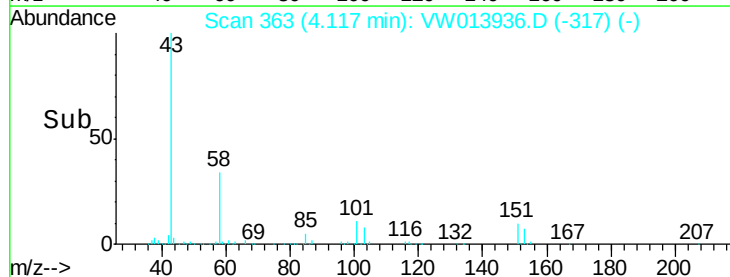
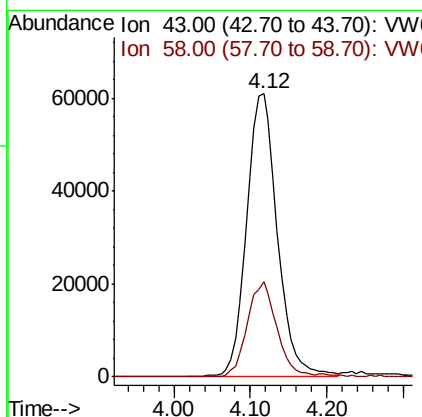
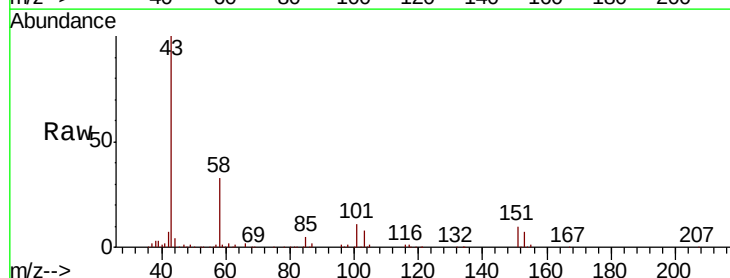
RT: 4.12 min Scan# 363

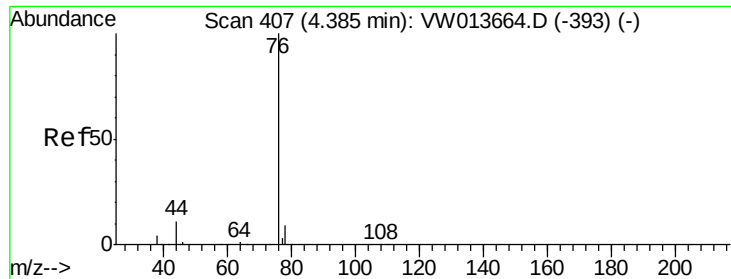
Delta R.T. -0.02 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion:	43	Resp:	171450
Ion	Ratio	Lower	Upper
43	100		
58	33.5	24.1	36.1





#17

Carbon Disulfide

Concen: 51.382 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 433411

Ion Ratio Lower Upper

76 100

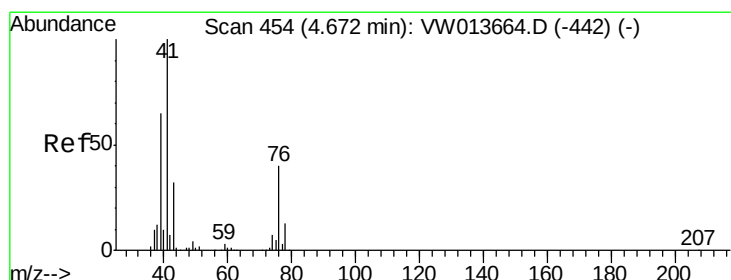
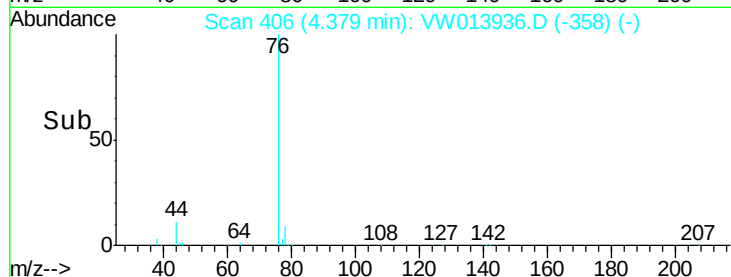
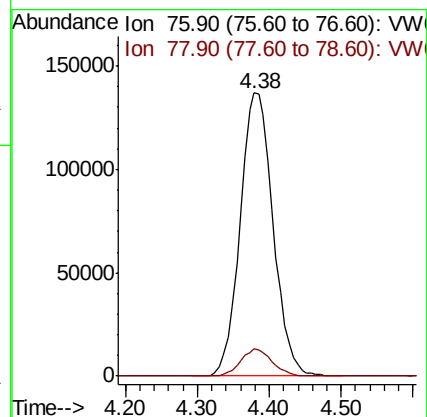
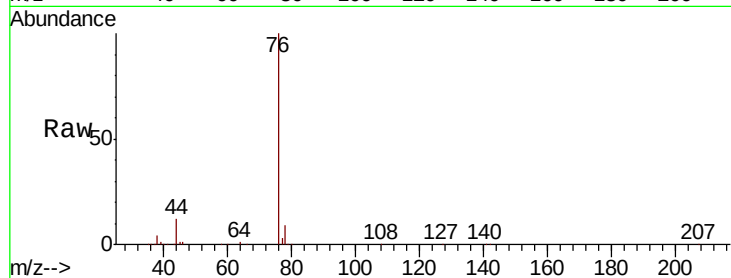
78 9.5 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

11/12/2019 12:58:08 PM



#18

Methyl Acetate

Concen: 47.048 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013936.D

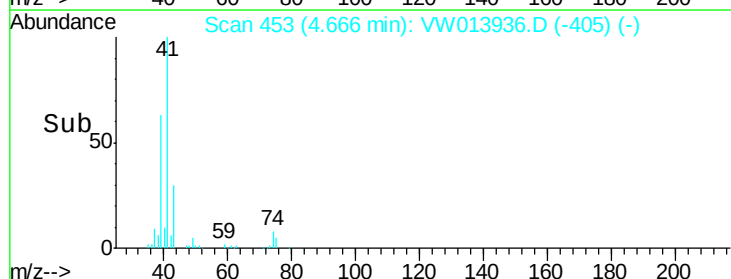
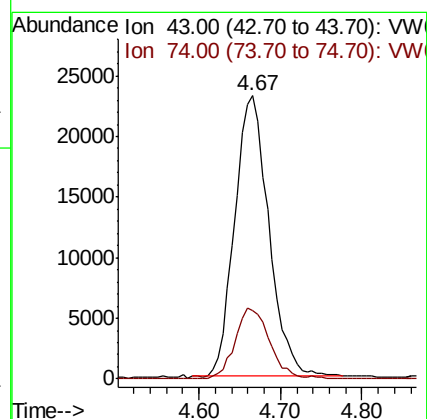
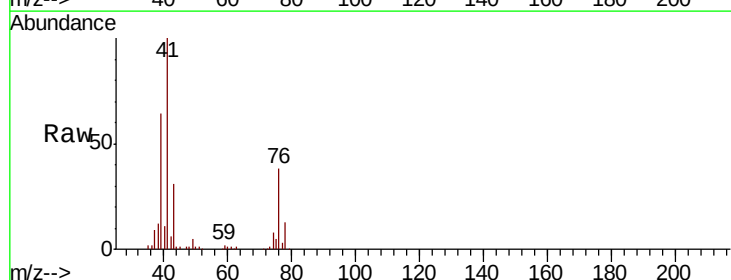
Acq: 08 Nov 2019 10:41

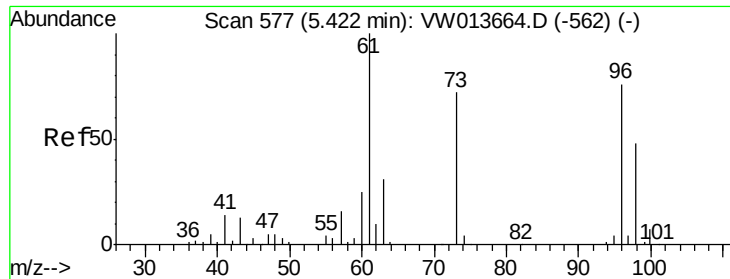
Tgt Ion: 43 Resp: 67180

Ion Ratio Lower Upper

43 100

74 25.4 19.8 29.8





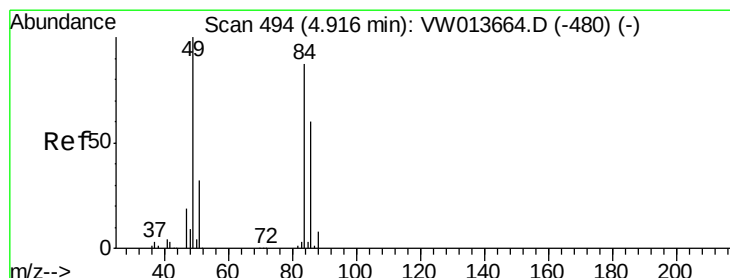
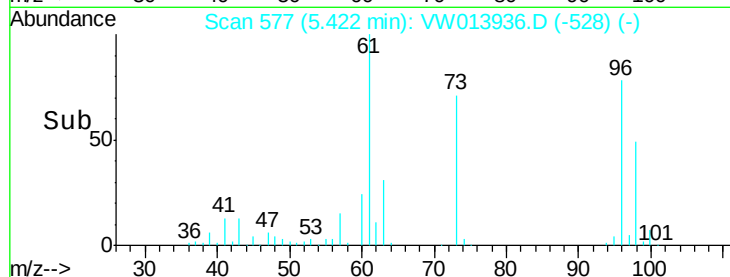
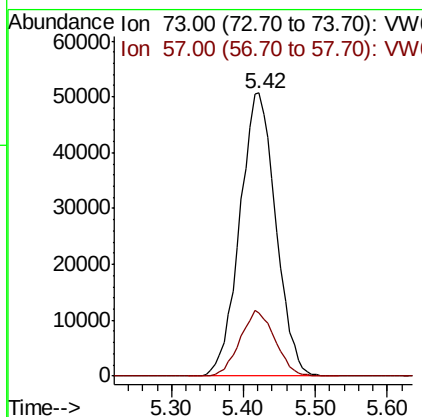
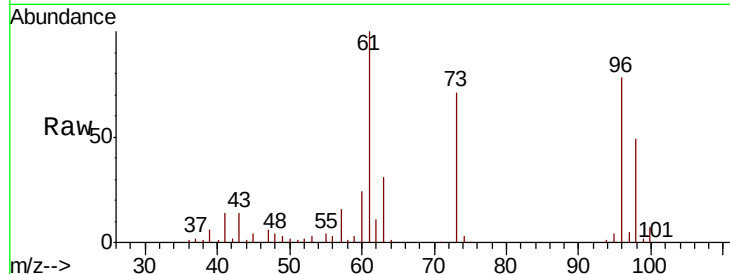
#19
Methyl tert-butyl Ether
Concen: 49.784 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.6	26.4

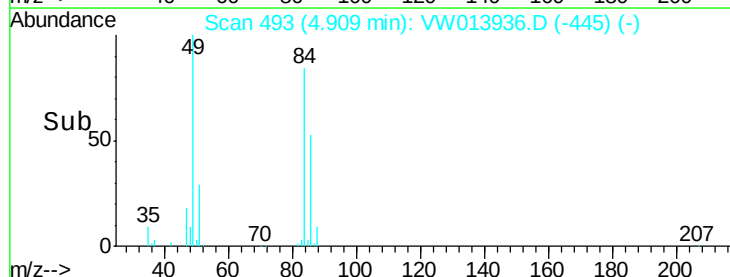
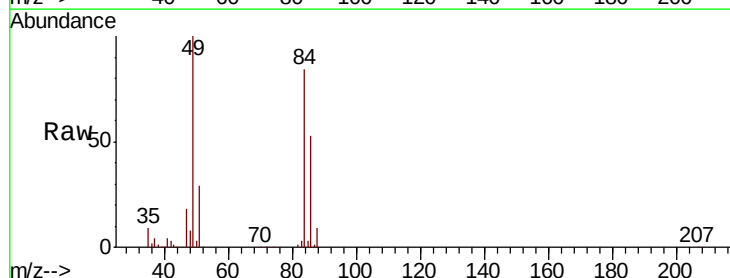
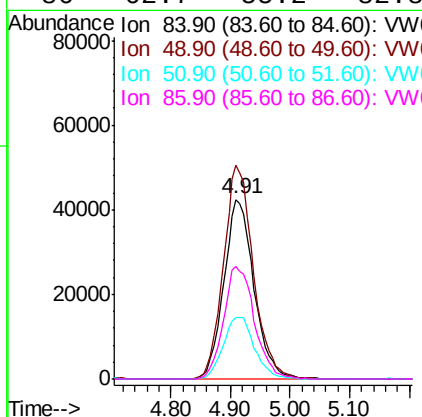
Manual Integrations
APPROVED

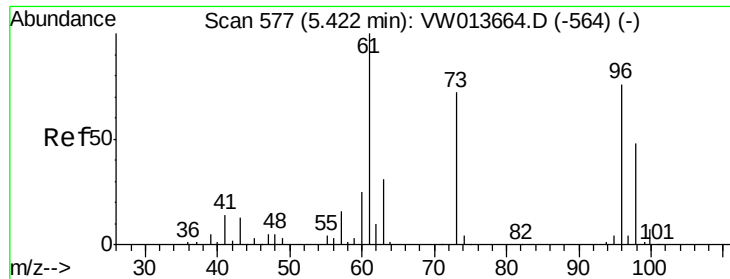
MMDadoda
11/12/2019 12:58:08 PM



#20
Methylene Chloride
Concen: 51.891 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	91.8	137.6
51	34.3	29.8	44.6
86	62.7	55.2	82.8





#21

trans-1,2-Dichloroethene

Concen: 50.904 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

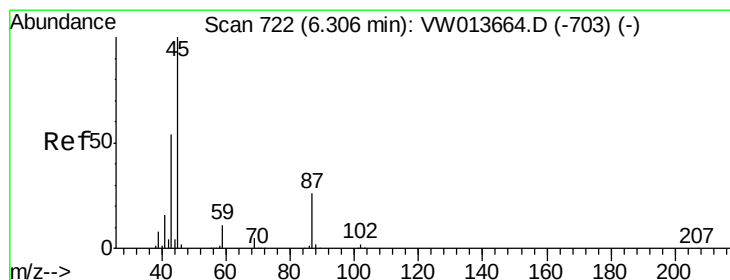
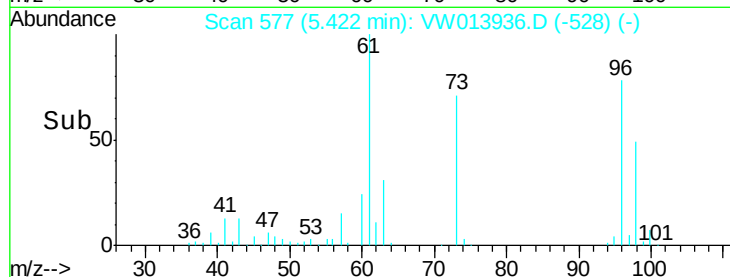
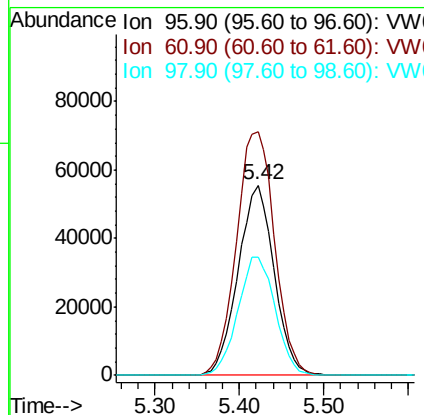
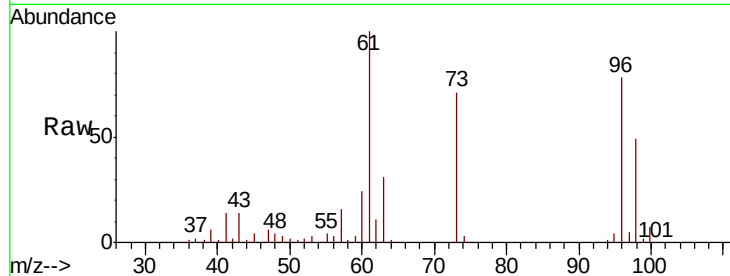
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	160917
Ion	Ratio	Lower	Upper
96	100		
61	127.8	104.8	157.2
98	62.3	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#22

Diisopropyl ether

Concen: 50.646 ug/l

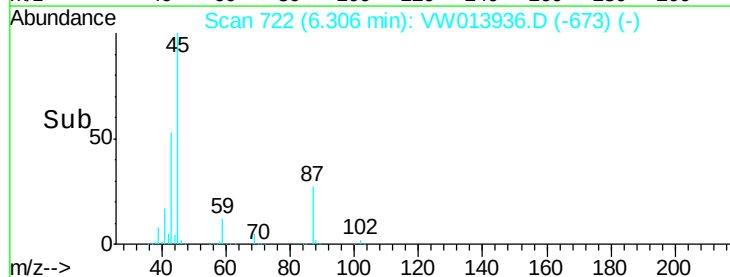
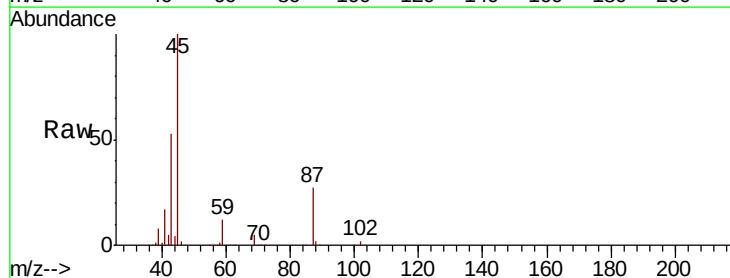
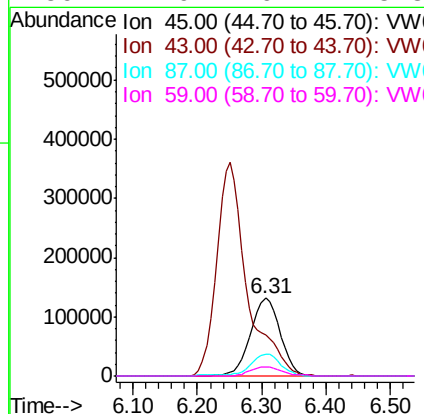
RT: 6.31 min Scan# 722

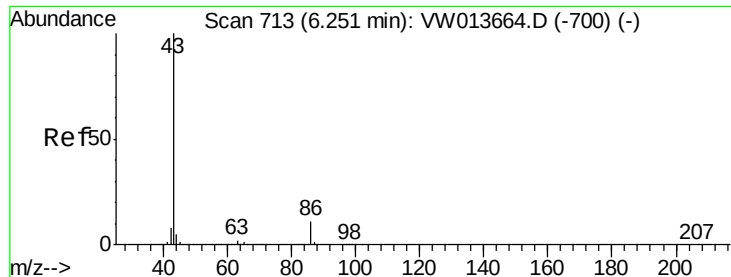
Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion:	45	Resp:	417232
Ion	Ratio	Lower	Upper
45	100		
43	52.1	43.4	65.2
87	27.3	21.5	32.3
59	11.9	9.2	13.8





#23

Vinyl Acetate

Concen: 248.501 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tot Ion: 43 Resp: 1187864

Ion Ratio Lower Upper

43 100

86 11.1 9.0 13.6

Instrument :

MSVOA_W

ClientSampleId :

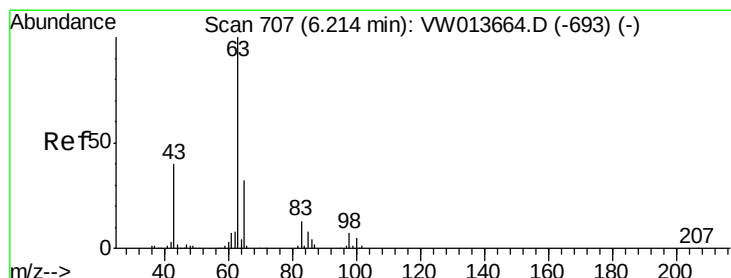
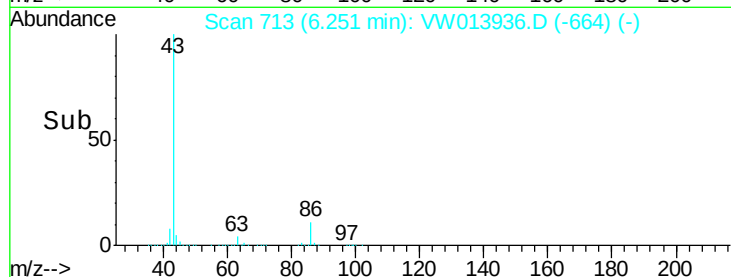
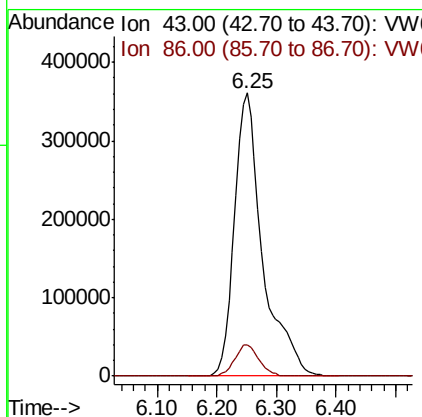
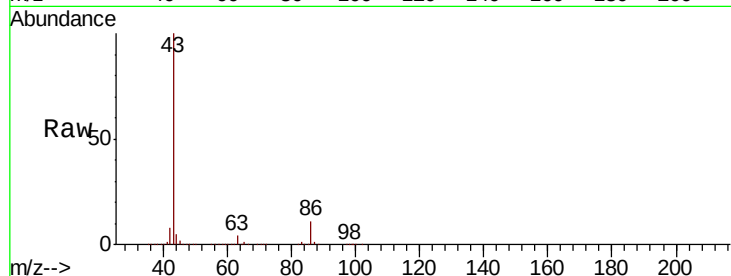
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

11/12/2019 12:58:08 PM



#24

1,1-Dichloroethane

Concen: 51.383 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

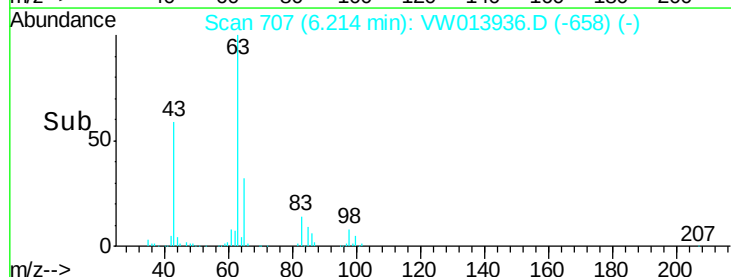
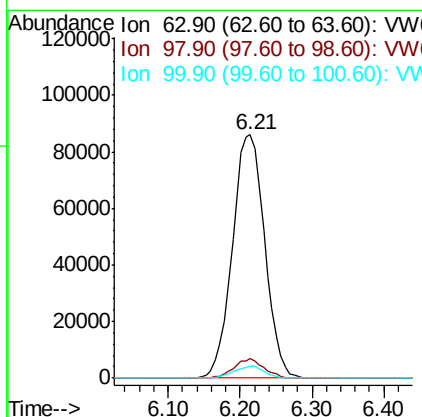
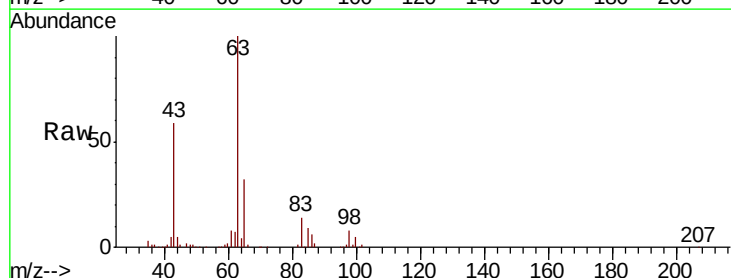
Tgt Ion: 63 Resp: 268085

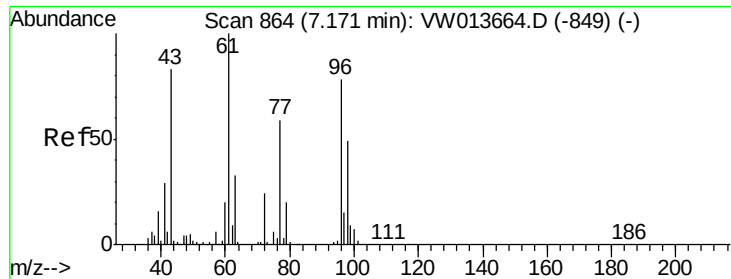
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 261.270 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 195664

Ion Ratio Lower Upper

43 100

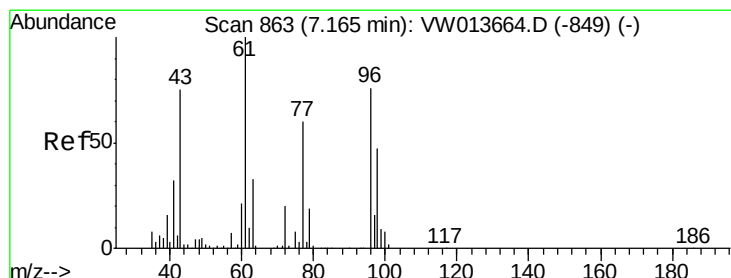
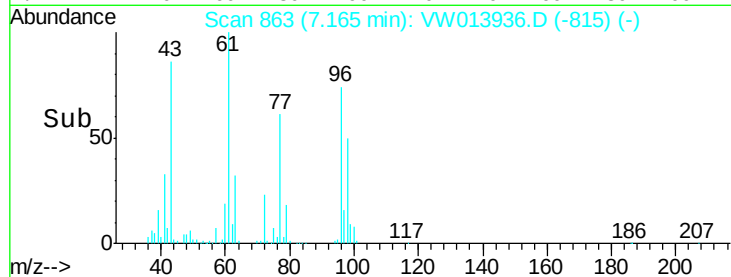
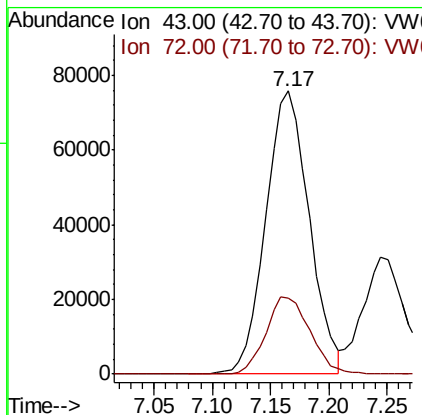
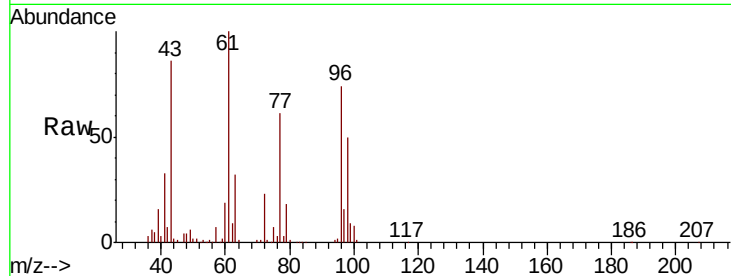
72 26.7 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

11/12/2019 12:58:08 PM



#26

2,2-Dichloropropane

Concen: 53.080 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013936.D

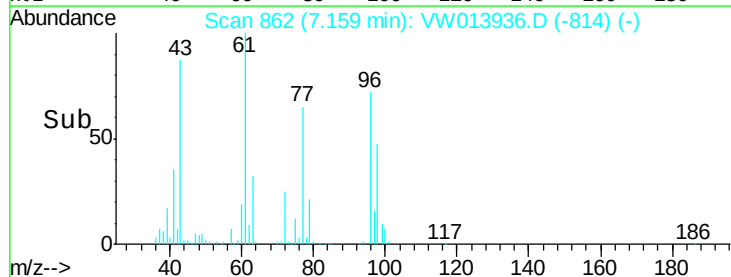
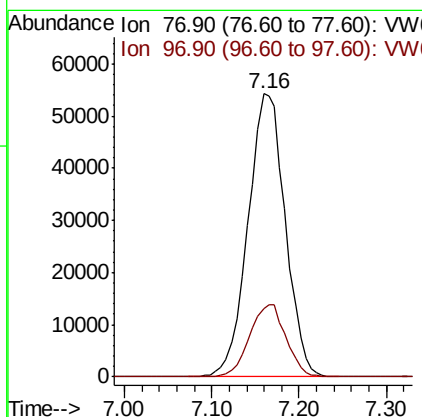
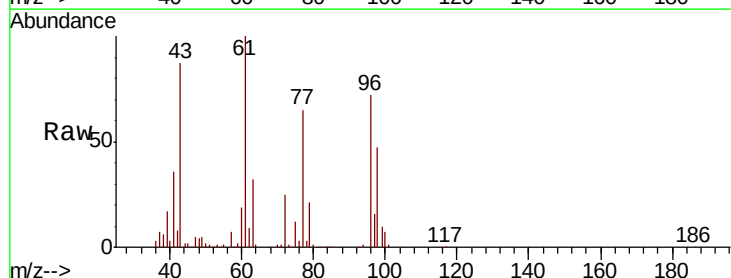
Acq: 08 Nov 2019 10:41

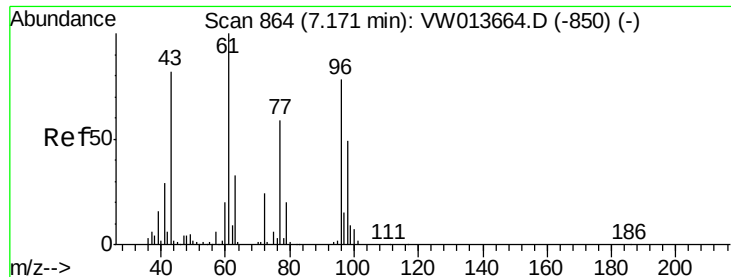
Tgt Ion: 77 Resp: 160141

Ion Ratio Lower Upper

77 100

97 25.0 12.8 38.4





#27

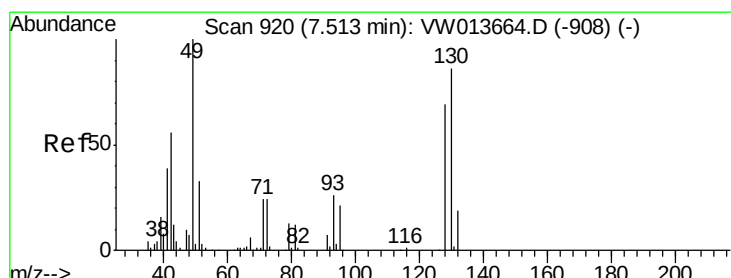
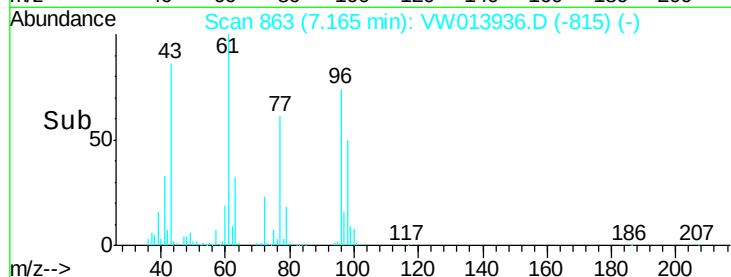
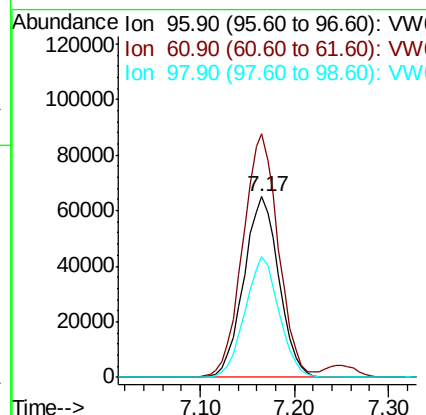
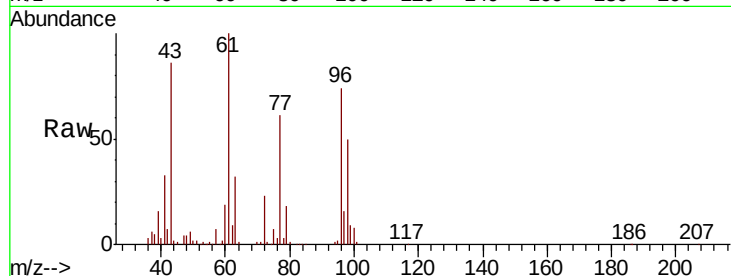
cis-1,2-Dichloroethene
Concen: 50.545 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	169714		
61	136.2		0.0	266.0
98	64.9		0.0	126.8

Manual Integrations
APPROVED

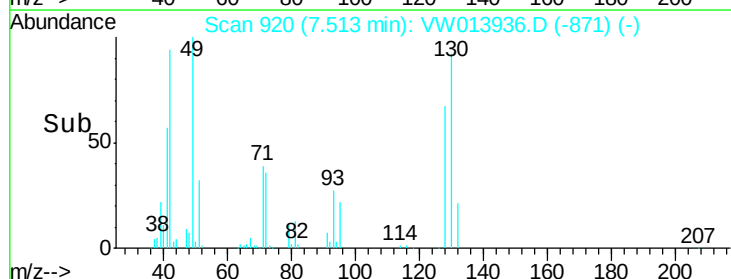
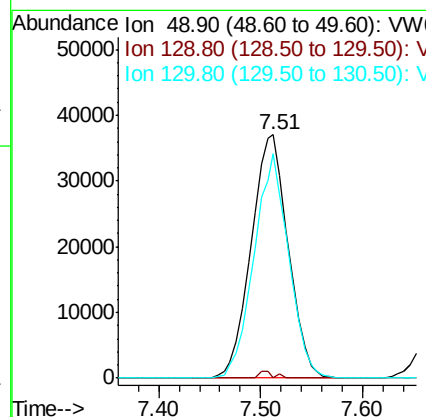
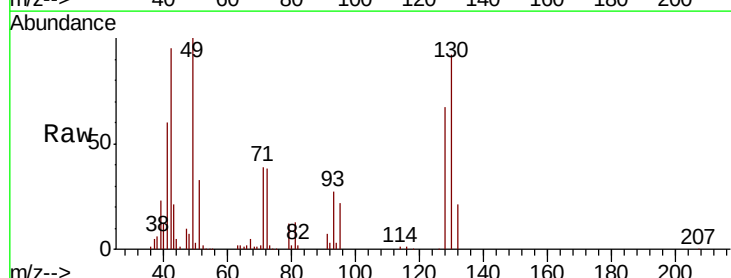
MMDadoda
11/12/2019 12:58:08 PM

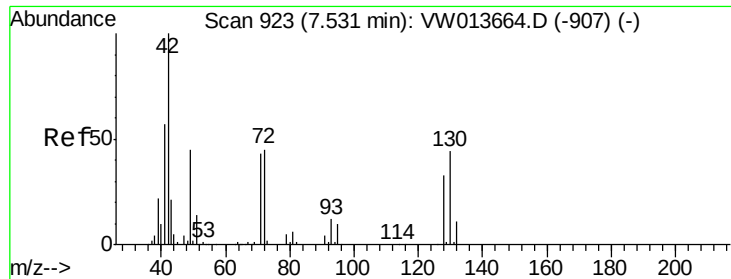


#28

Bromochloromethane
Concen: 50.300 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	93517		
129	1.1		0.0	0.6#
130	86.5		67.5	101.3





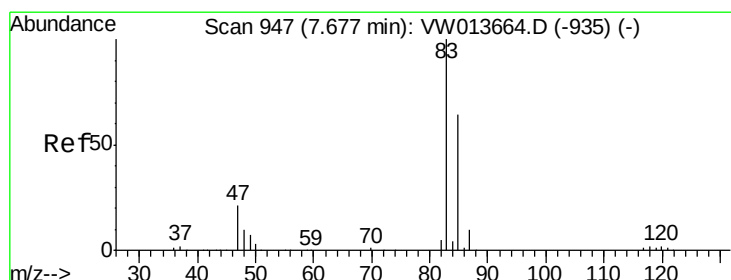
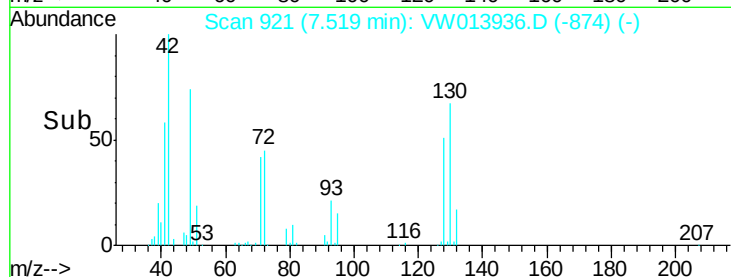
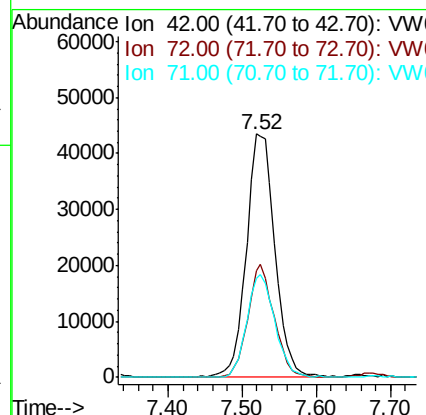
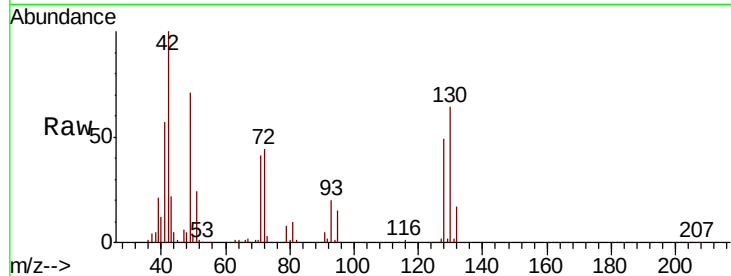
#29
Tetrahydrofuran
Concen: 253.291 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.3	52.9
71	41.2	33.3	49.9

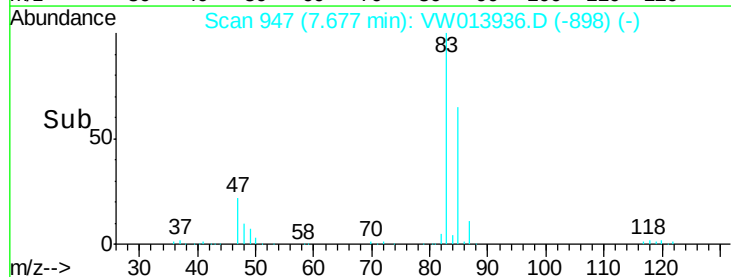
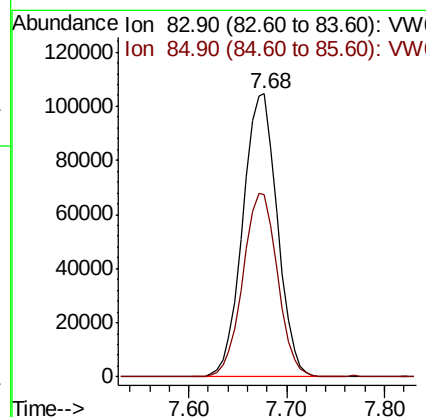
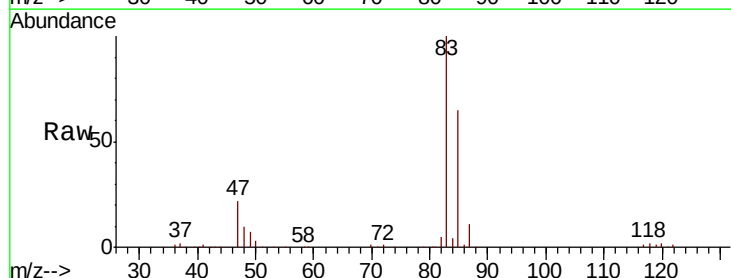
Manual Integrations
APPROVED

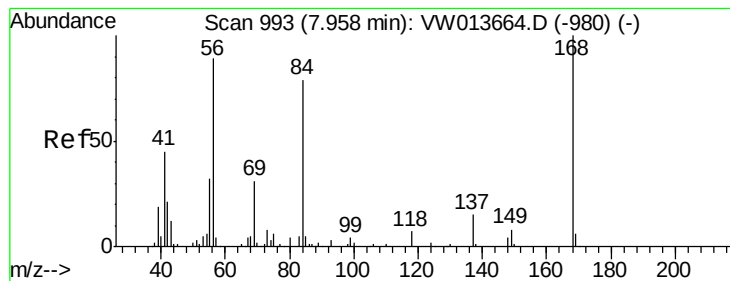
MMDadoda
11/12/2019 12:58:08 PM



#30
Chloroform
Concen: 49.654 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2





#31

Cyclohexane

Concen: 48.984 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

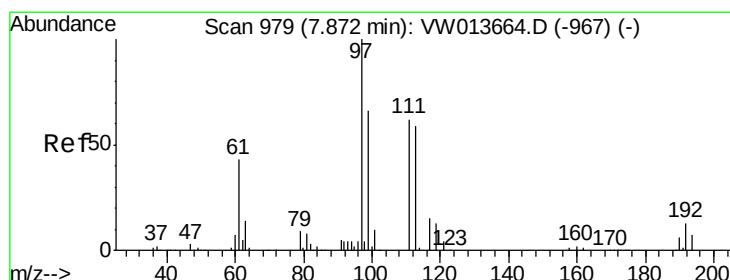
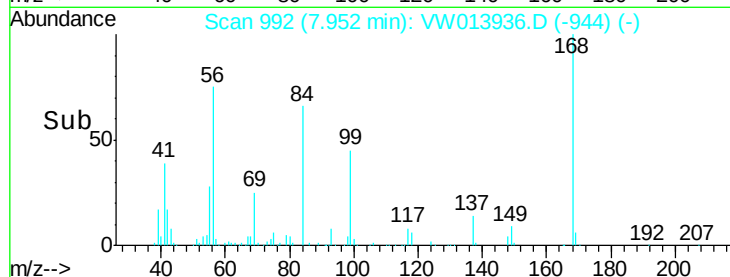
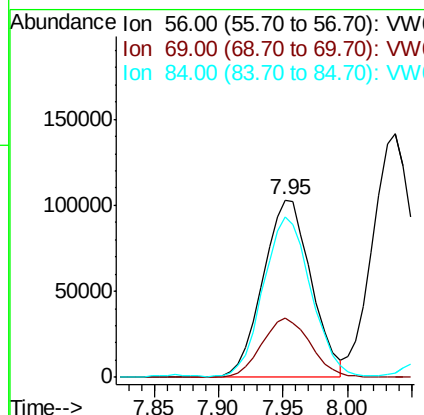
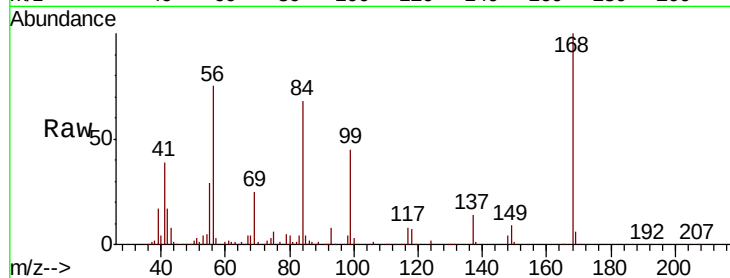
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	267457
Ion Ratio	Lower	Upper	
56	100		
69	33.6	27.5	41.3
84	88.8	70.8	106.2

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#32

1,1,1-Trichloroethane

Concen: 54.260 ug/l

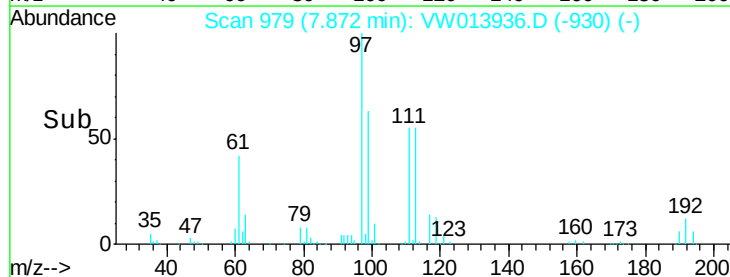
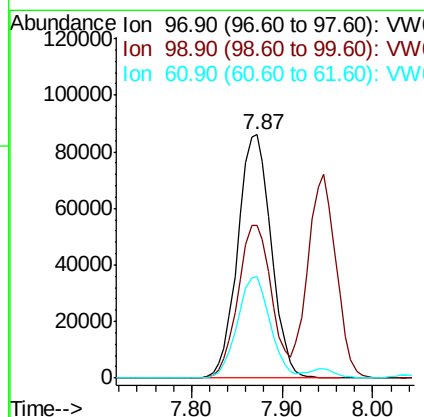
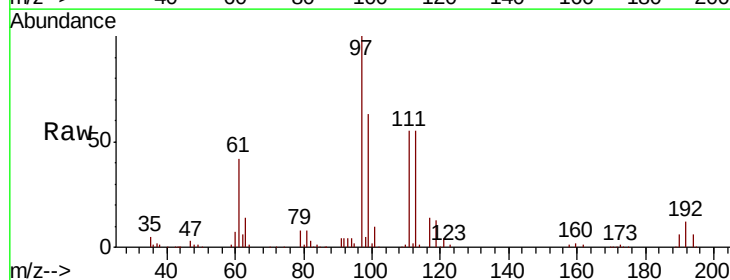
RT: 7.87 min Scan# 979

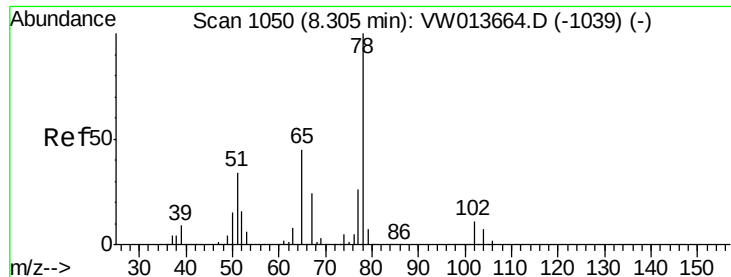
Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion:	97	Resp:	219611
Ion Ratio	Lower	Upper	
97	100		
99	63.4	52.0	78.0
61	41.1	33.8	50.6





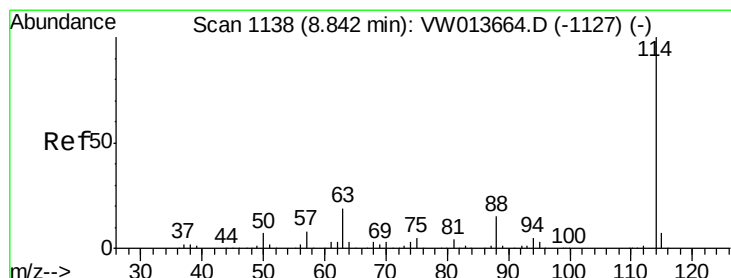
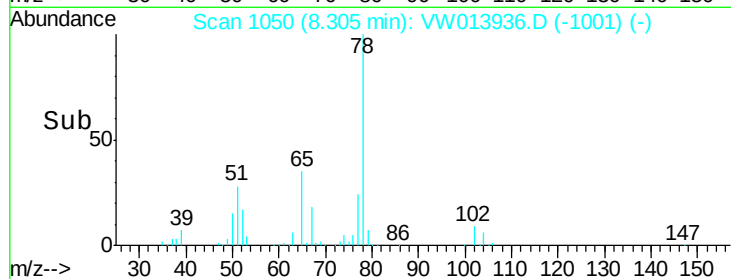
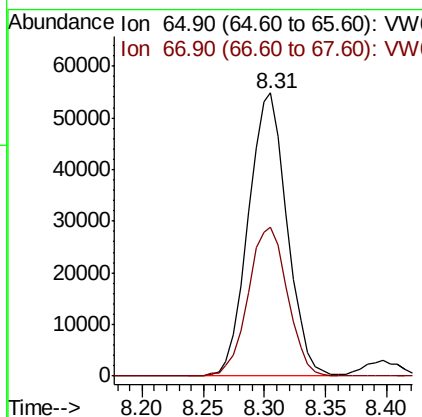
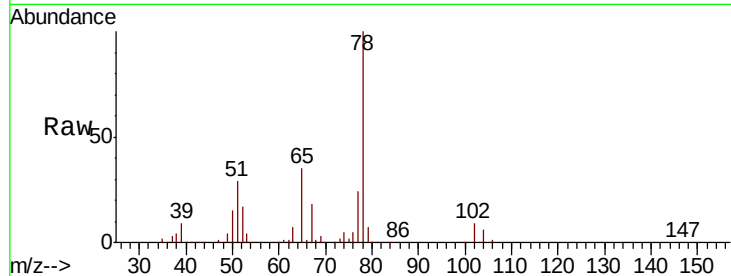
#33
 1,2-Dichloroethane-d4
 Concen: 48.923 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120191		
67	53.7	0.0	109.4	

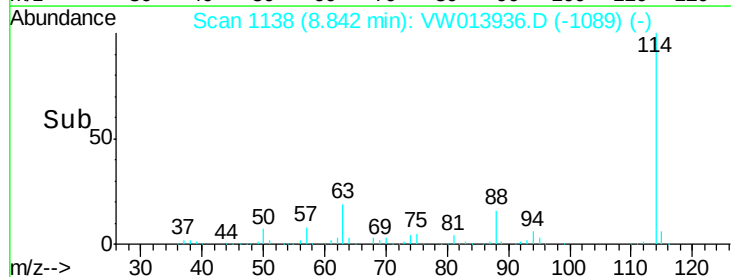
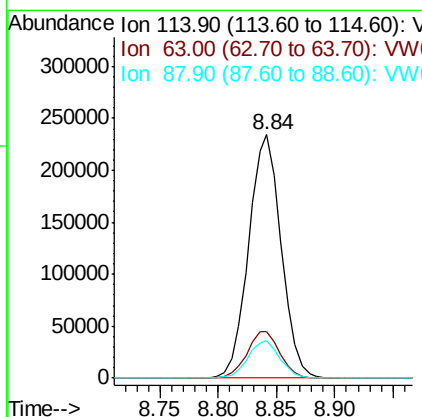
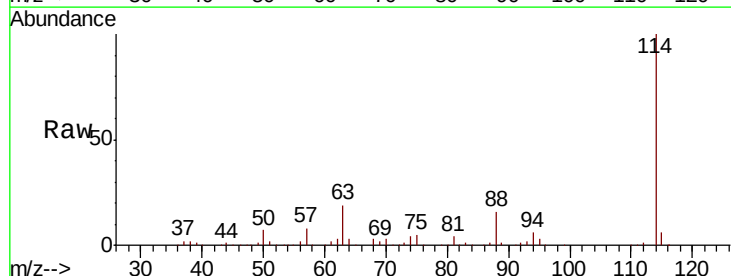
Manual Integrations
 APPROVED

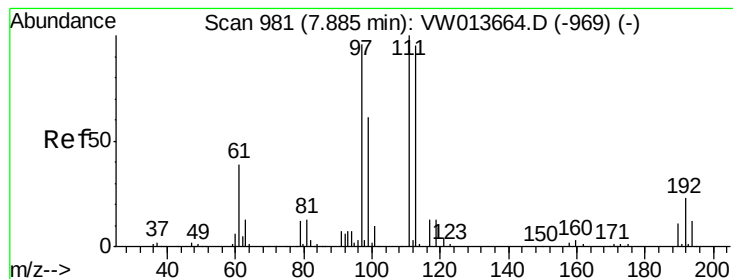
MMDadoda
 11/12/2019 12:58:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	455467		
63	19.2	0.0	37.6	
88	15.7	0.0	30.2	





#35

Dibromofluoromethane

Concen: 51.708 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

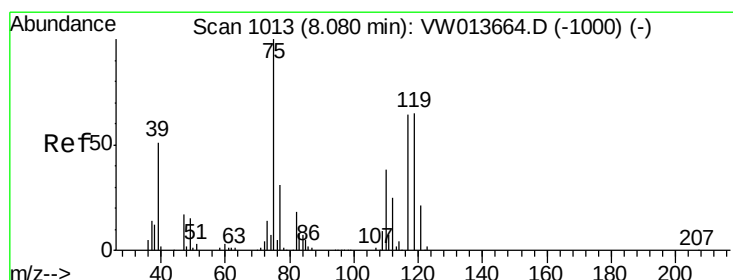
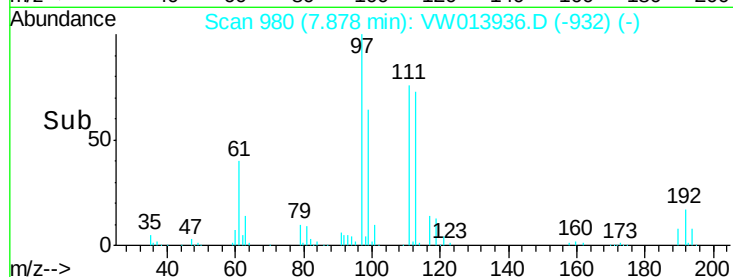
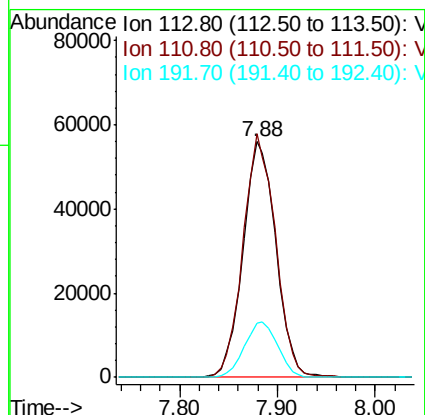
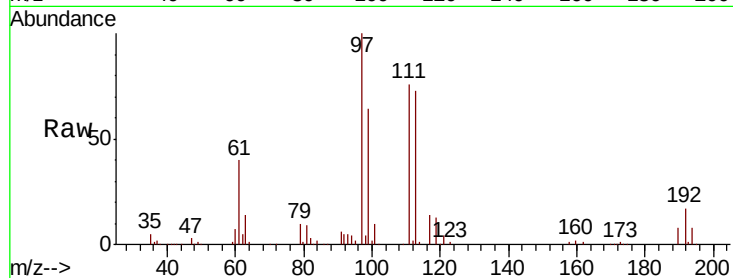
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	130865
Ion Ratio	Lower	Upper	
113	100		
111	101.6	83.0	124.6
192	23.8	19.4	29.2

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#36

1,1-Dichloropropene

Concen: 53.526 ug/l

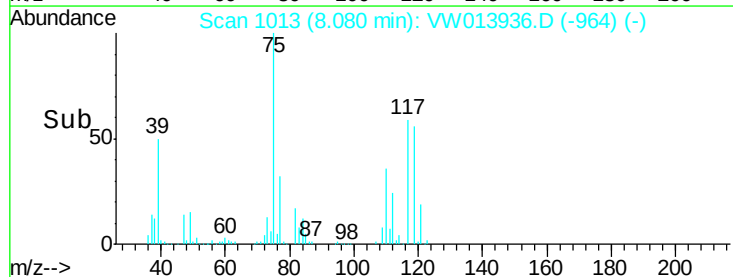
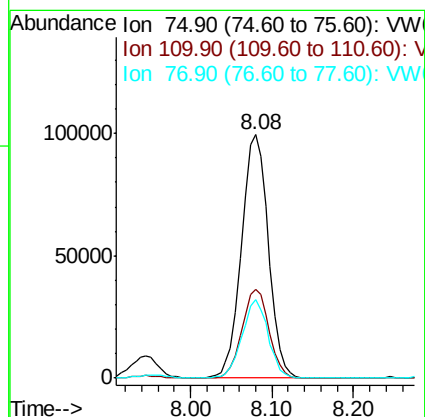
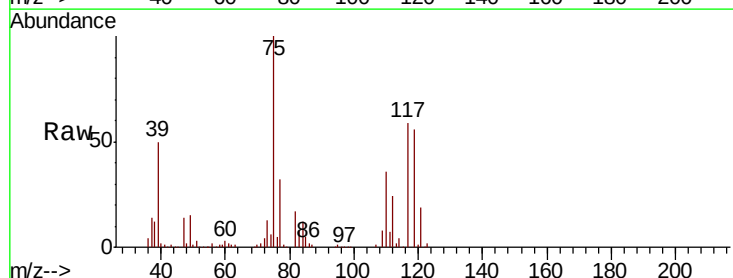
RT: 8.08 min Scan# 1013

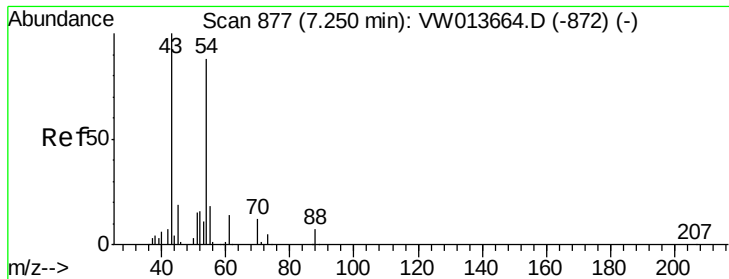
Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion:	75	Resp:	227045
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.7	56.1
77	31.2	25.4	38.0





#37

Ethyl Acetate

Concen: 49.115 ug/l

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

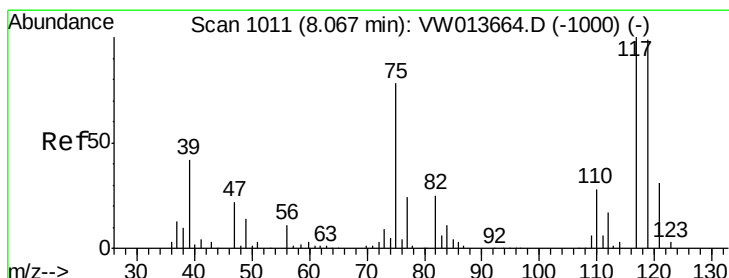
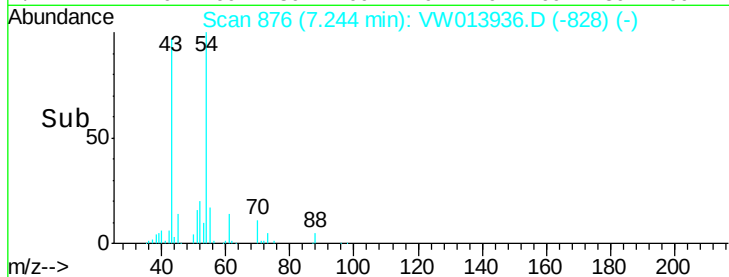
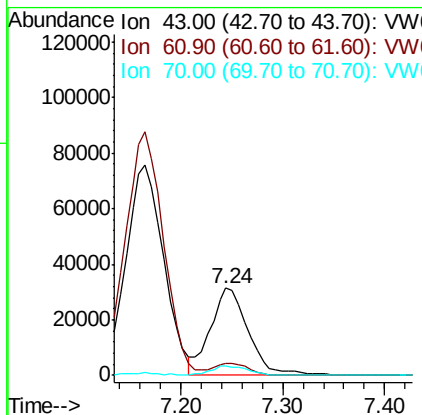
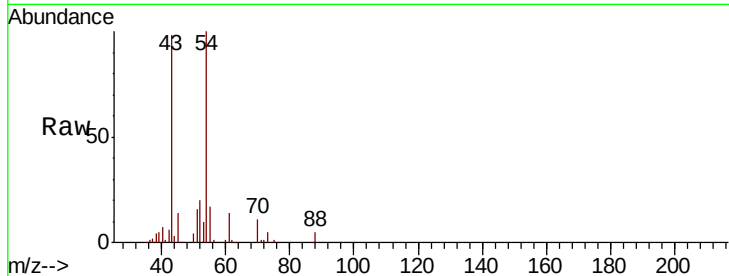
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	79751
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.7	17.5
70	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#38

Carbon Tetrachloride

Concen: 54.792 ug/l

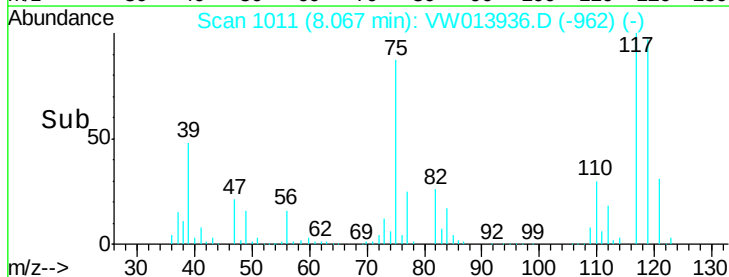
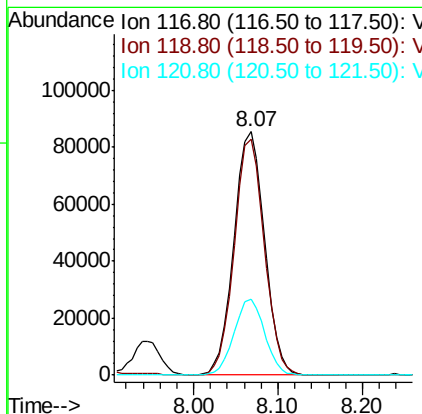
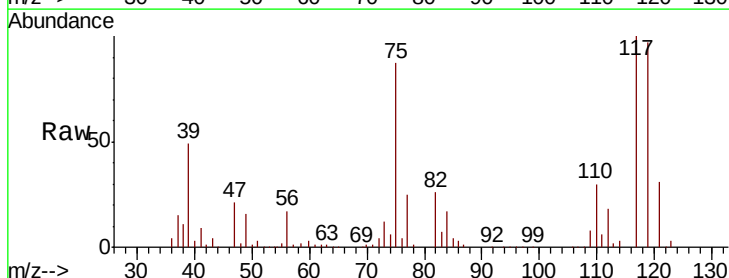
RT: 8.07 min Scan# 1011

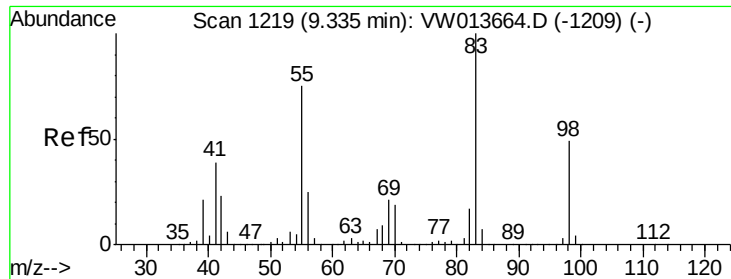
Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion:	117	Resp:	209293
Ion	Ratio	Lower	Upper
117	100		
119	97.0	79.0	118.4
121	31.2	24.5	36.7





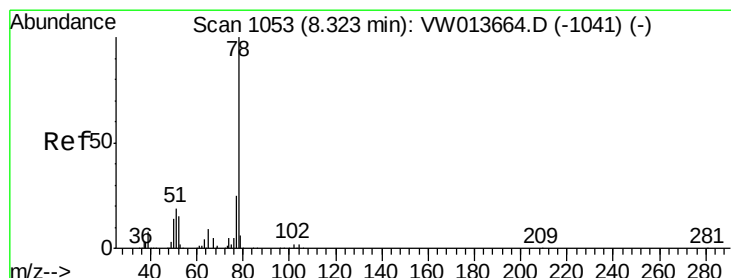
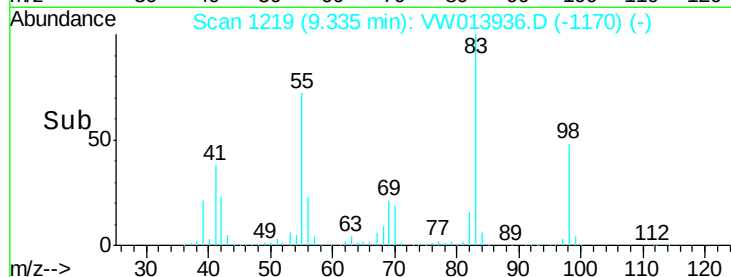
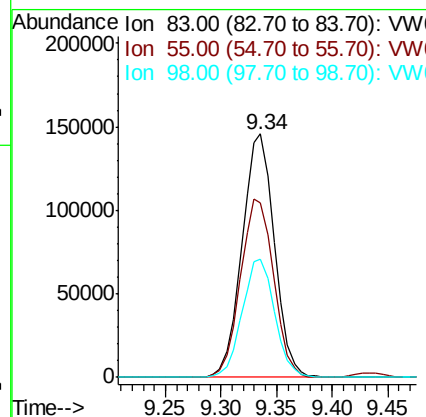
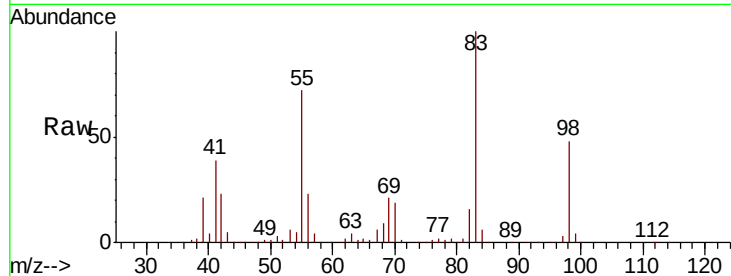
#39
Methylvlcyclohexane
Concen: 53.532 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	59.9	89.9
98	48.4	39.4	59.2

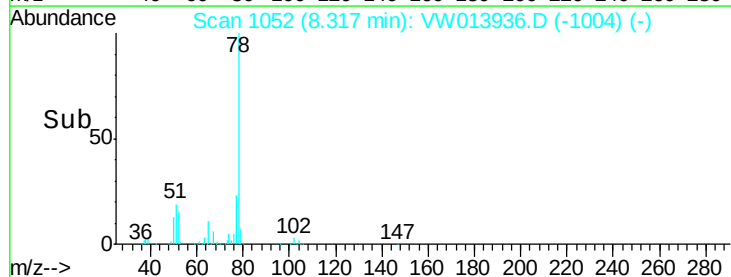
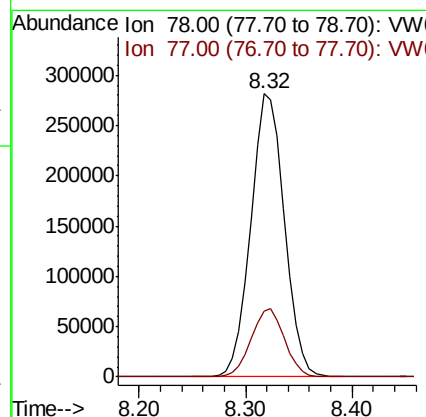
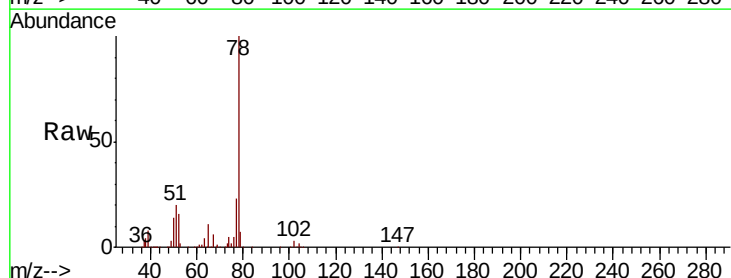
Manual Integrations
APPROVED

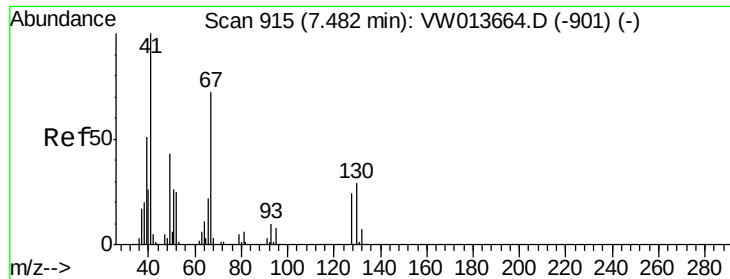
MMDadoda
11/12/2019 12:58:08 PM



#40
Benzene
Concen: 51.931 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.6	29.4





#41

Methacrylonitrile

Concen: 48.834 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

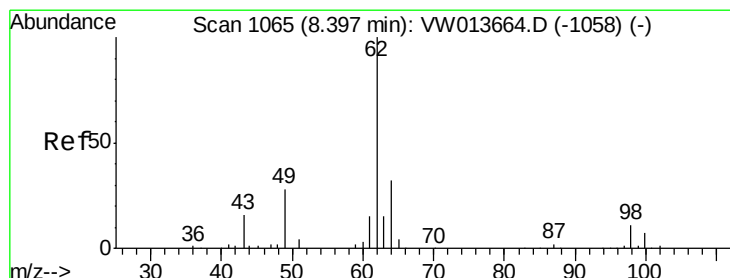
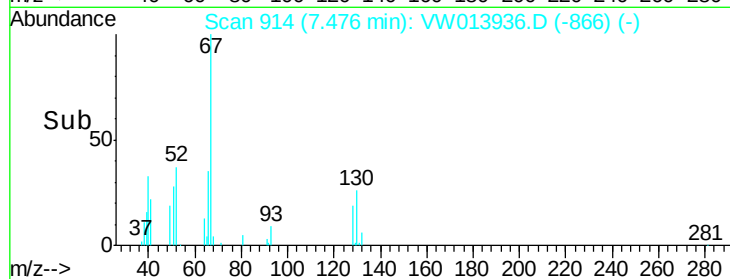
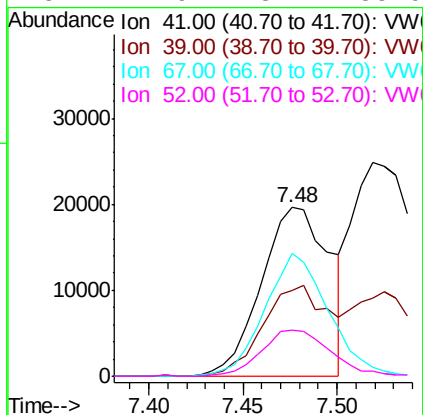
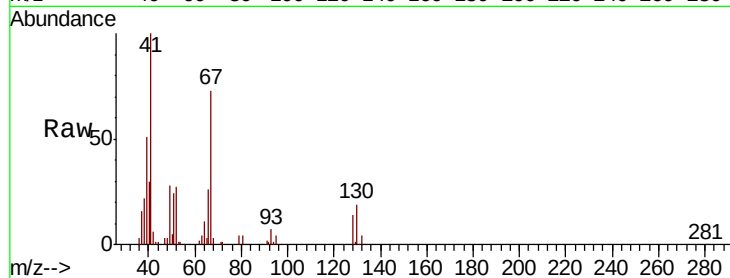
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	49447
Ion	Ratio	Lower	Upper
41	100		
39	51.6	44.8	67.2
67	67.6	59.3	88.9
52	27.9	23.4	35.0

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#42

1,2-Dichloroethane

Concen: 50.512 ug/l

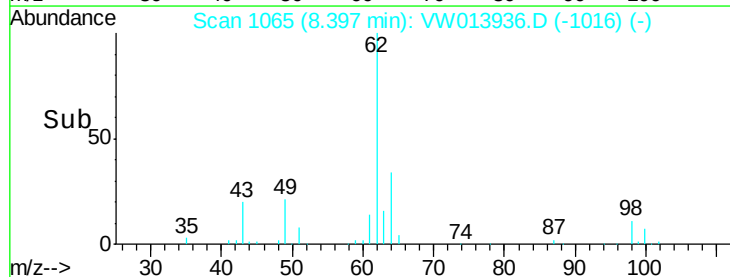
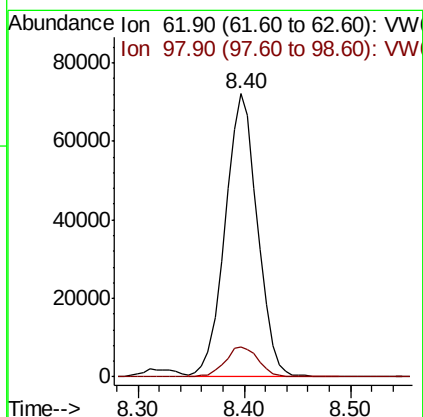
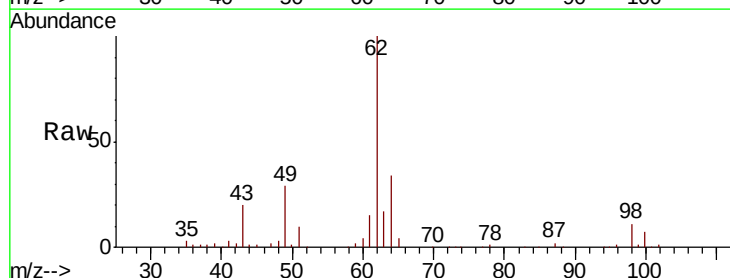
RT: 8.40 min Scan# 1065

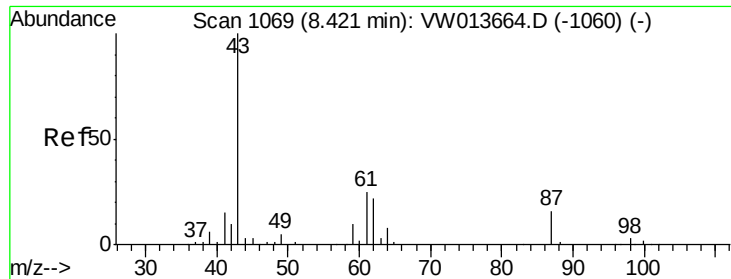
Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion:	62	Resp:	152799
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.4





#43

Isopropyl Acetate

Concen: 48.255 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

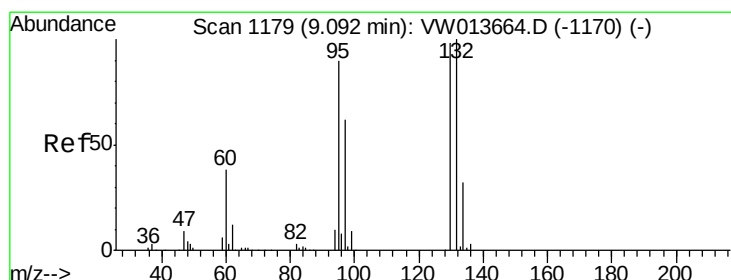
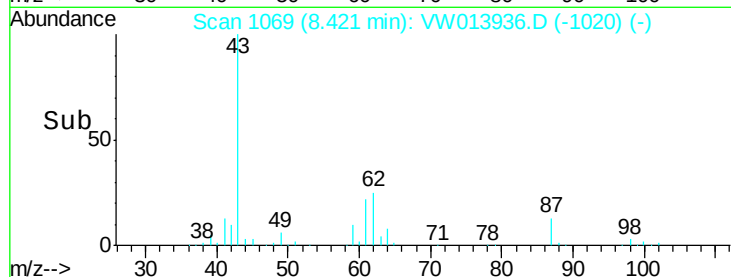
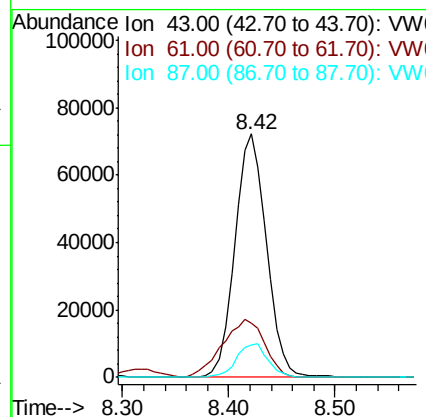
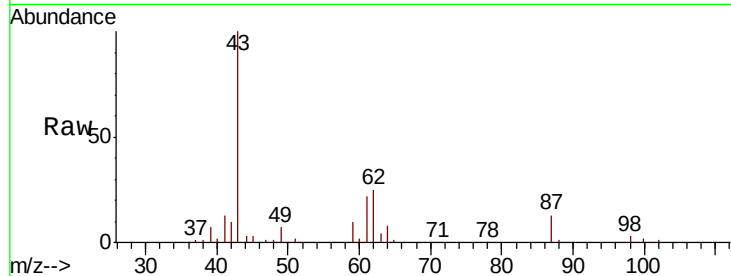
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	149983
Ion	Ratio	Lower	Upper
43	100		
61	32.0	26.1	39.1
87	13.9	11.4	17.0

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#44

Trichloroethene

Concen: 51.914 ug/l

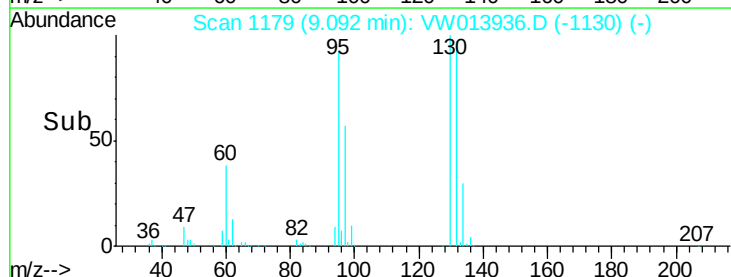
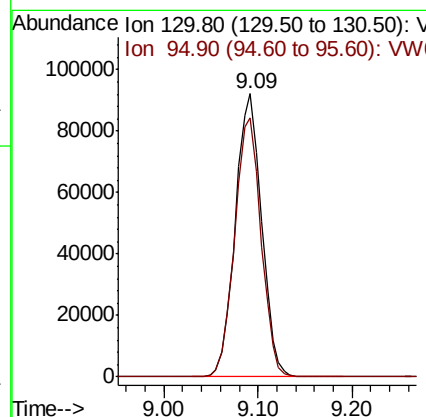
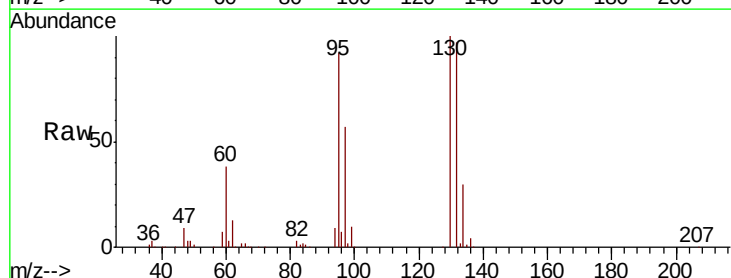
RT: 9.09 min Scan# 1179

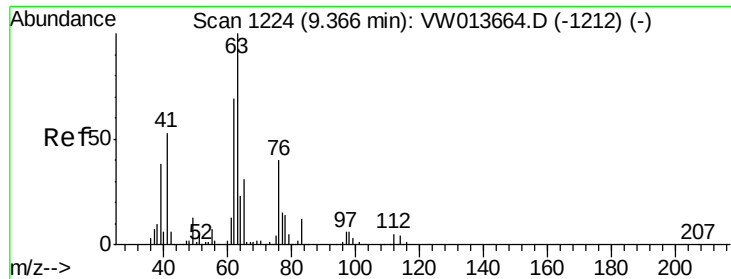
Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion:	130	Resp:	178513
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	184.6





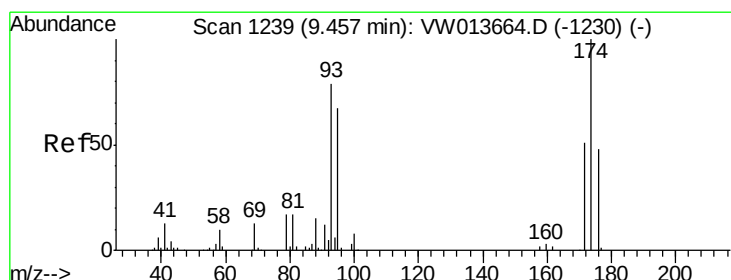
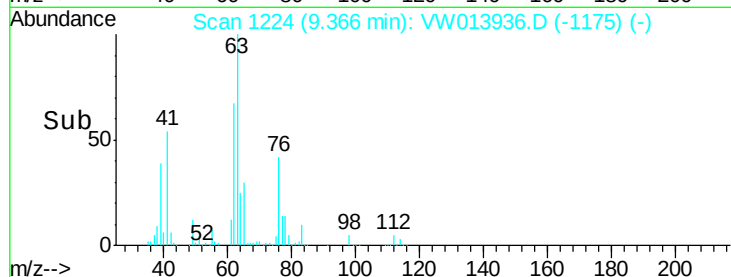
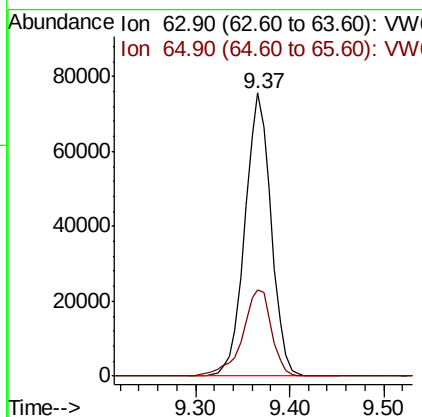
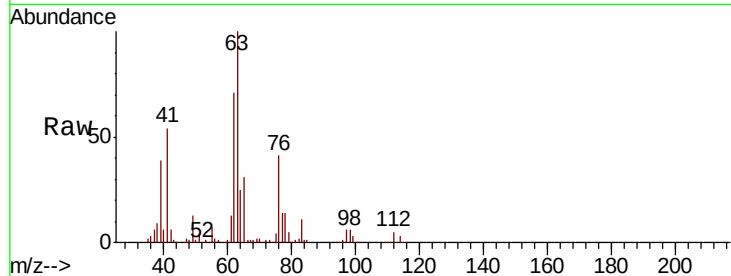
#45
 1,2-Dichloropropane
 Concen: 51.154 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 146675
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.2 37.8

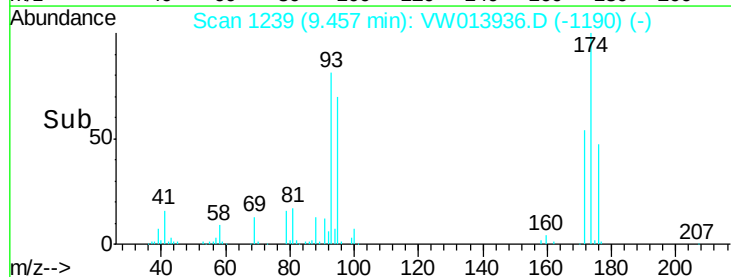
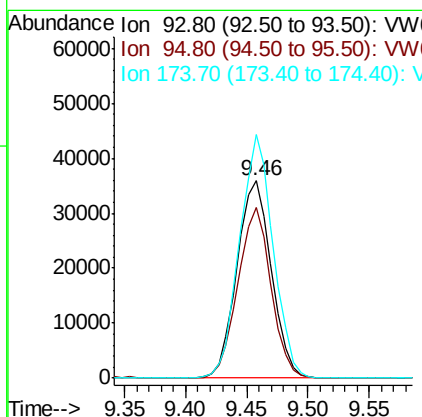
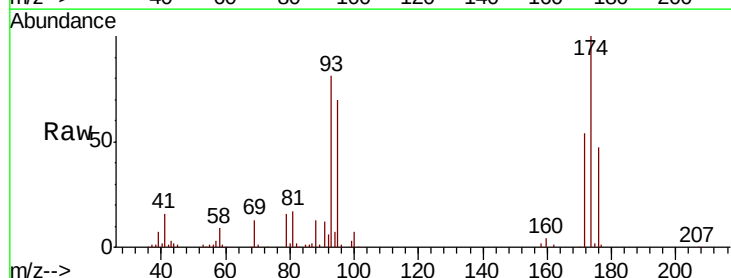
Manual Integrations
 APPROVED

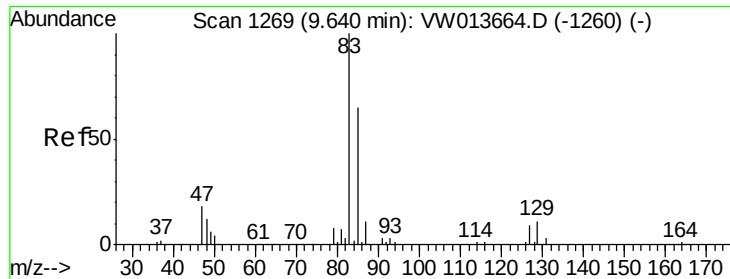
MMDadoda
 11/12/2019 12:58:08 PM



#46
 Dibromomethane
 Concen: 50.522 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion: 93 Resp: 70310
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 120.0 99.6 149.4





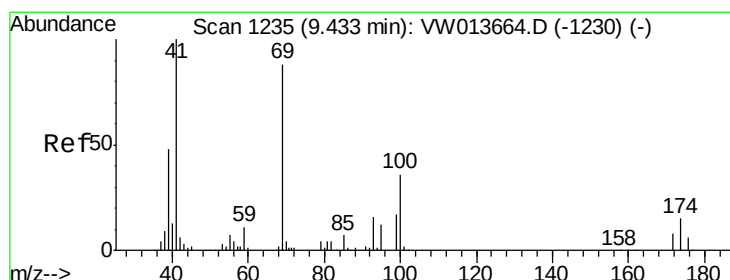
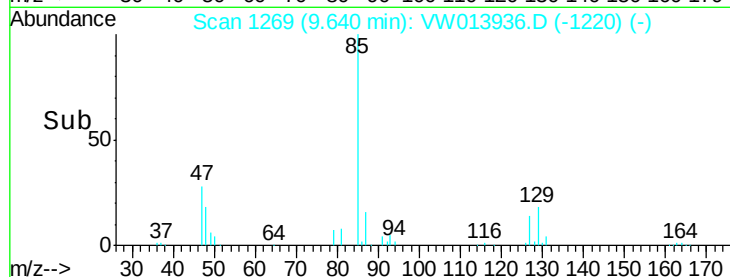
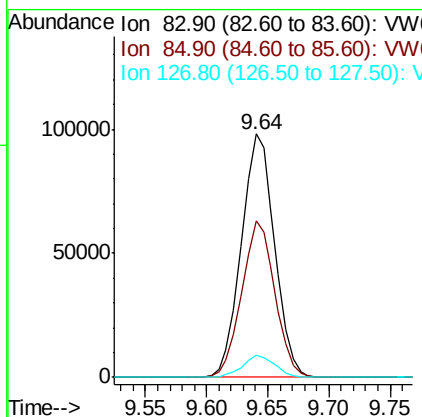
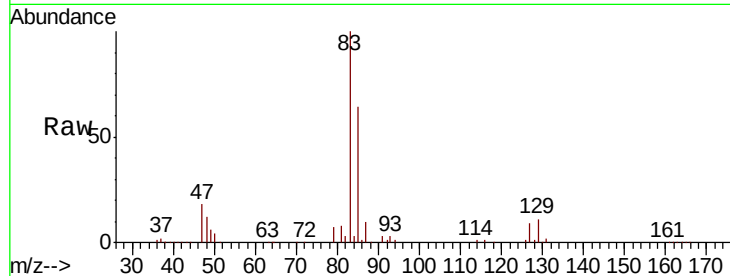
#47
Bromodichloromethane
Concen: 51.455 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	185281
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.8	77.6
127	9.0	7.3	10.9

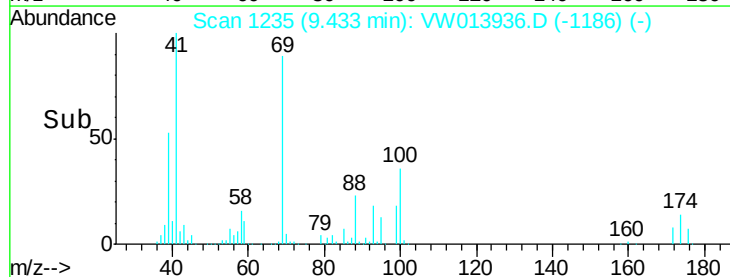
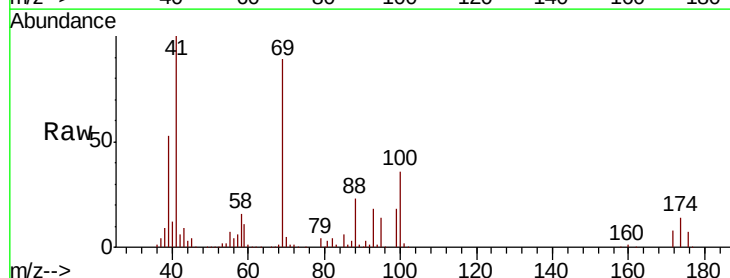
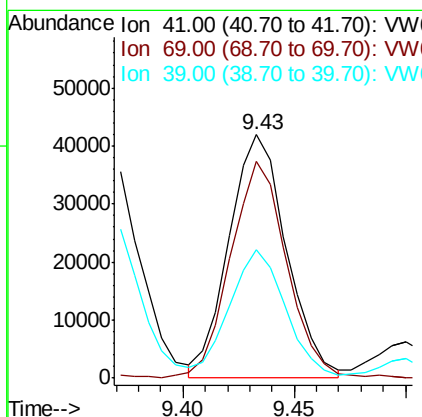
Manual Integrations
APPROVED

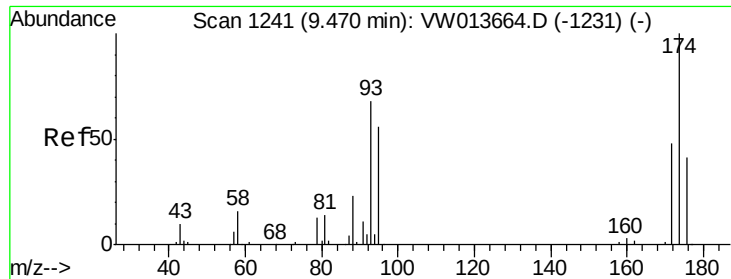
MMDadoda
11/12/2019 12:58:08 PM



#48
Methyl methacrylate
Concen: 48.872 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	41	Resp	75326
Ion Ratio	100	Lower	Upper
41	100		
69	87.8	67.6	101.4
39	48.8	38.6	58.0





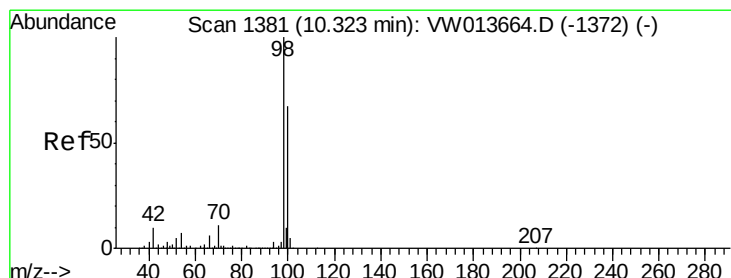
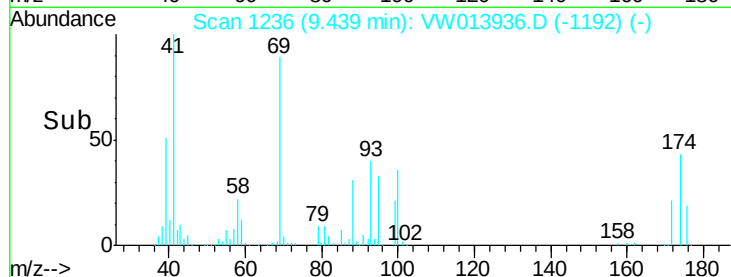
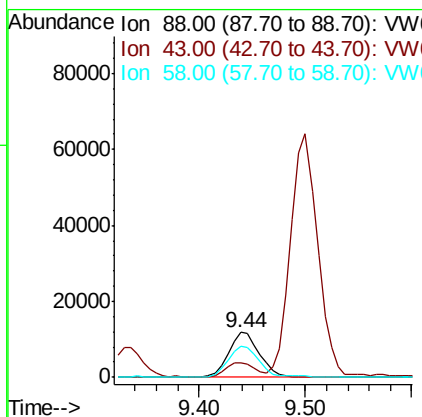
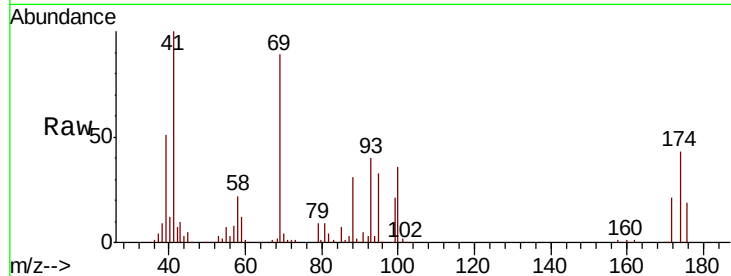
#49
1,4-Dioxane
Concen: 1169.380 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.03 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	0.0	0.0#
58	68.1	58.9	88.3

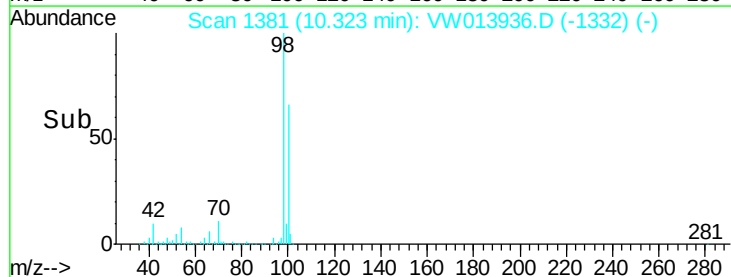
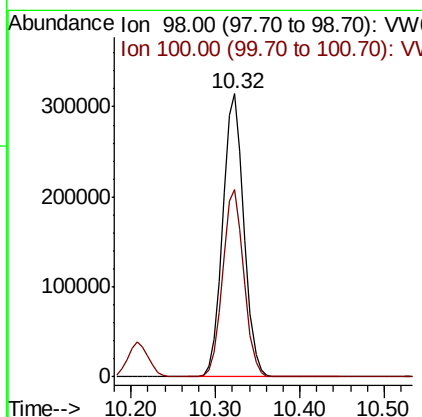
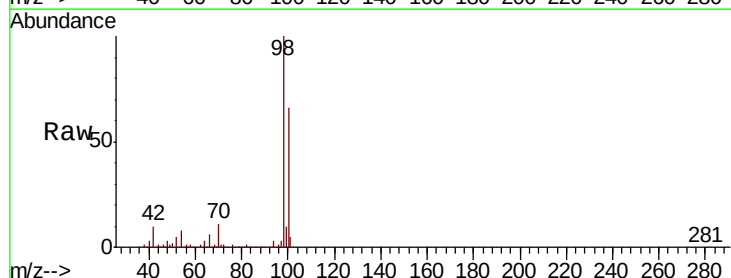
Manual Integrations
APPROVED

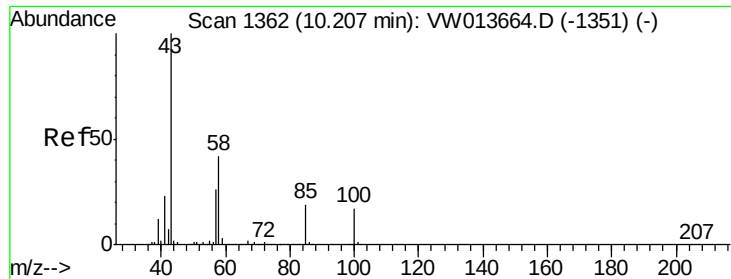
MMDadoda
11/12/2019 12:58:08 PM



#50
Toluene-d8
Concen: 52.622 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.4	80.0





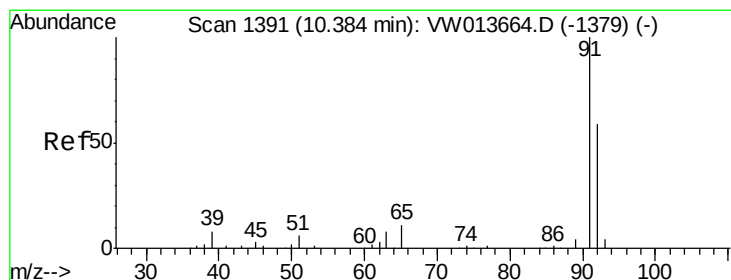
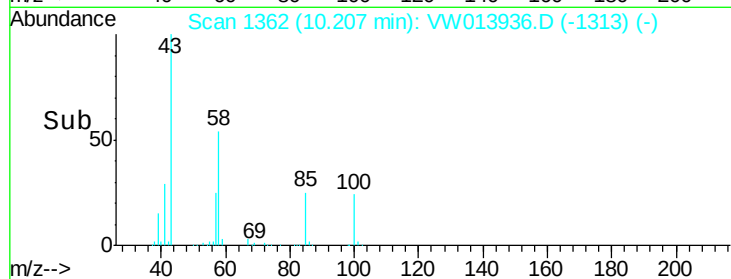
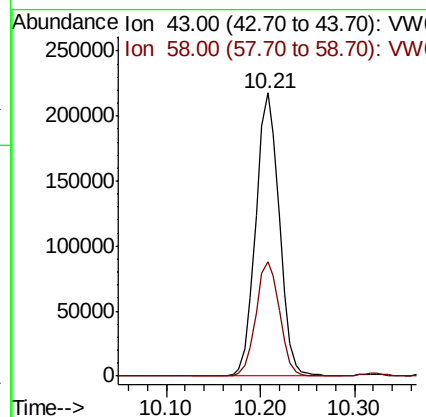
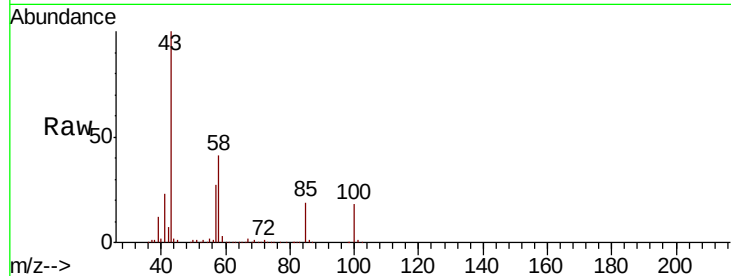
#51
 4-Methyl-2-Pentanone
 Concen: 245.604 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.6	49.0

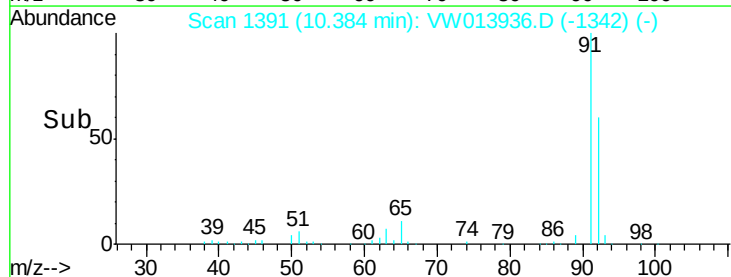
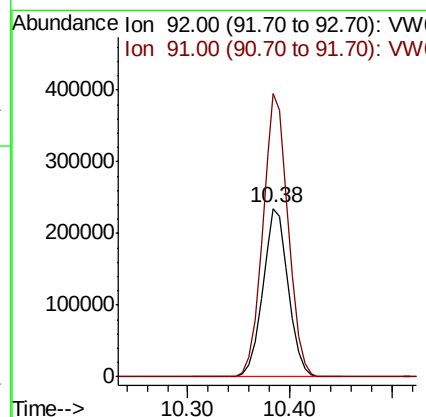
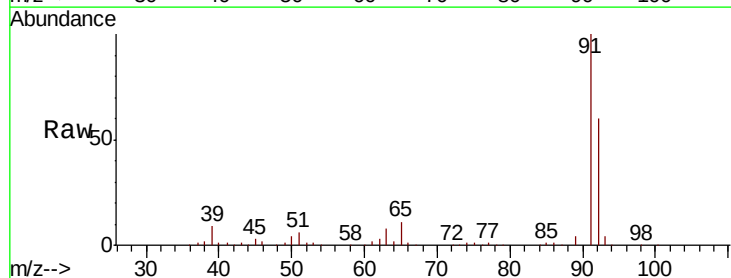
Manual Integrations
 APPROVED

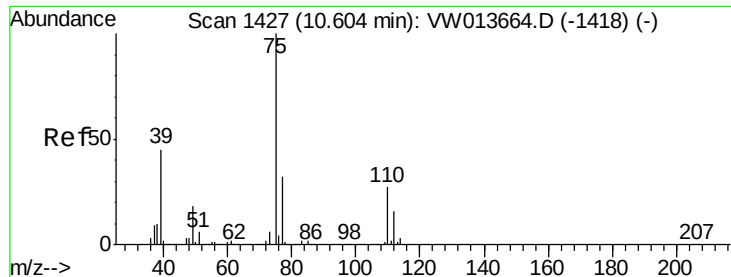
MMDadoda
 11/12/2019 12:58:08 PM



#52
 Toluene
 Concen: 52.313 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.7	134.5	201.7





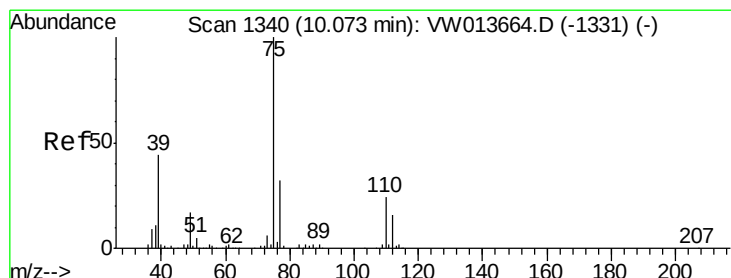
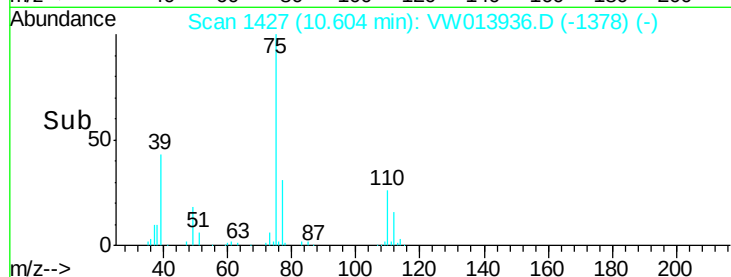
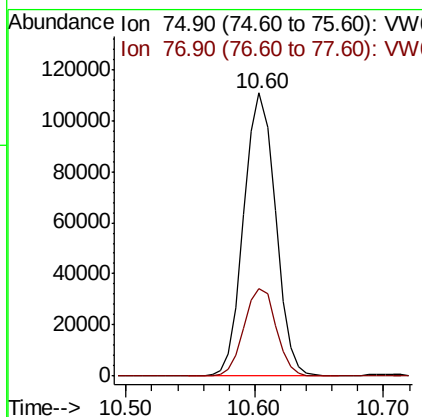
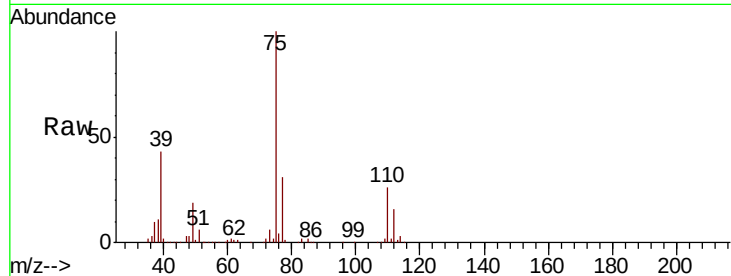
#53
t-1,3-Dichloropropene
Concen: 51.862 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 189049
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3

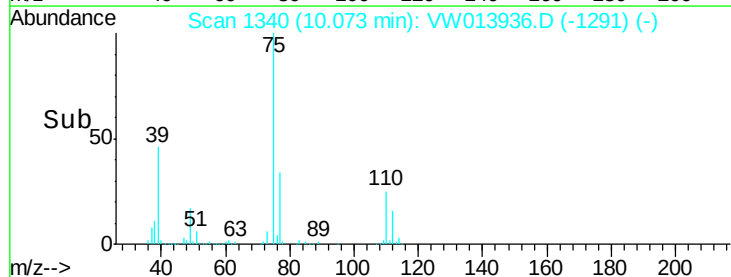
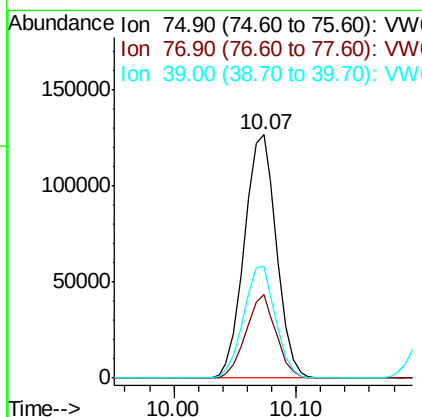
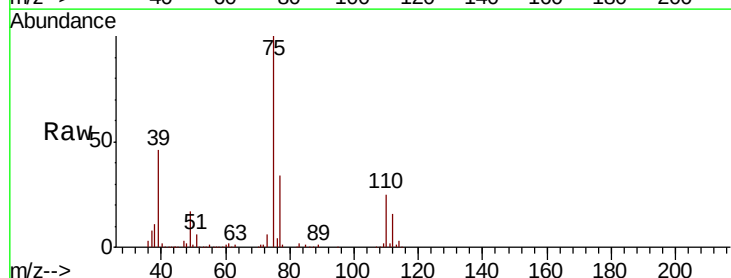
Manual Integrations
APPROVED

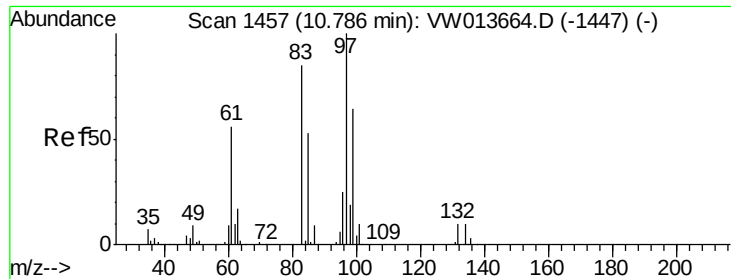
MMDadoda
11/12/2019 12:58:08 PM



#54
cis-1,3-Dichloropropene
Concen: 51.426 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion: 75 Resp: 231284
Ion Ratio Lower Upper
75 100
77 34.2 25.8 38.6
39 45.7 35.3 52.9





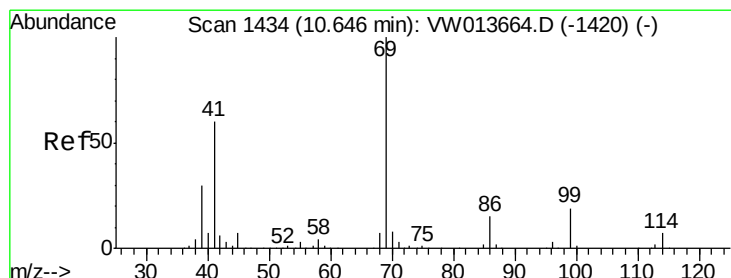
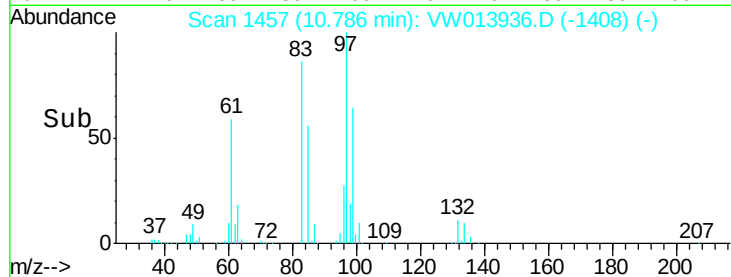
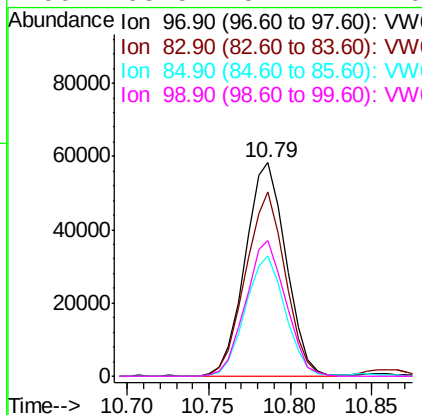
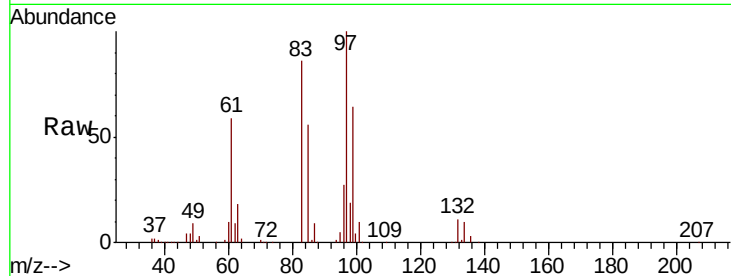
#55
 1,1,2-Trichloroethane
 Concen: 48.845 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		101307		
83	86.4	67.8	101.8		
85	56.1	42.1	63.1		
99	63.5	51.4	77.0		

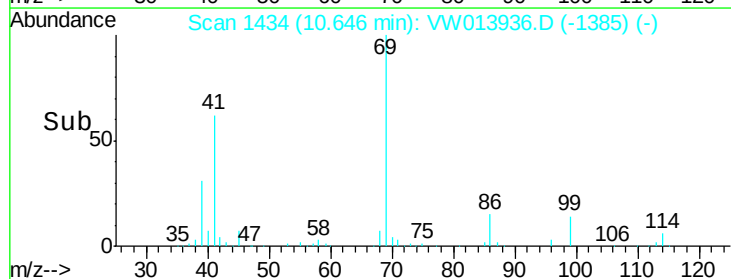
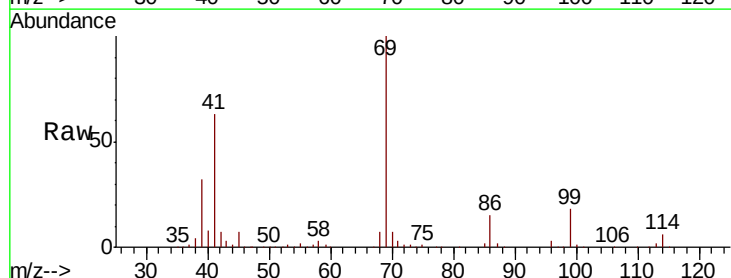
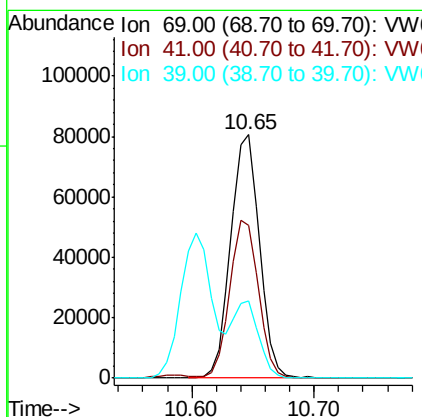
Manual Integrations
 APPROVED

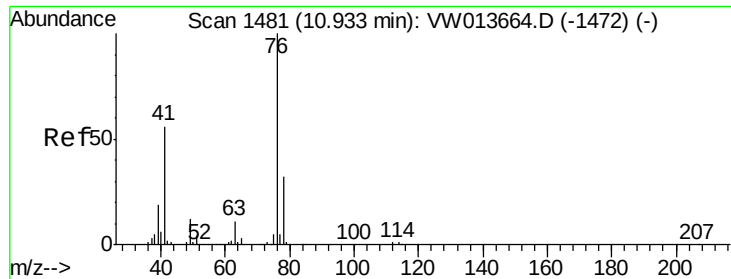
MMDadoda
 11/12/2019 12:58:08 PM



#56
 Ethyl methacrylate
 Concen: 50.465 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		130952		
41	64.0	51.6	77.4		
39	27.4	22.4	33.6		





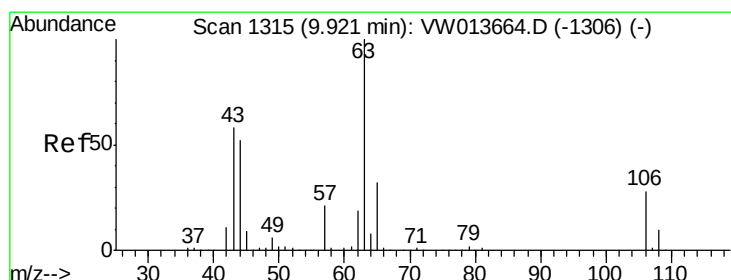
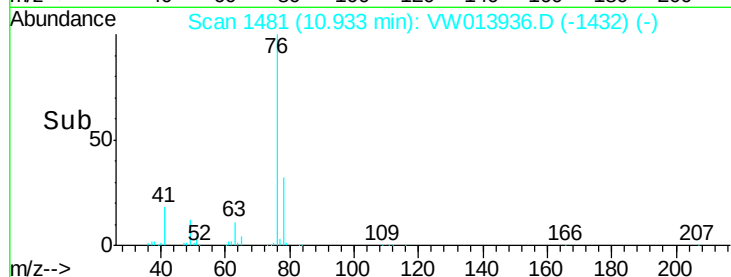
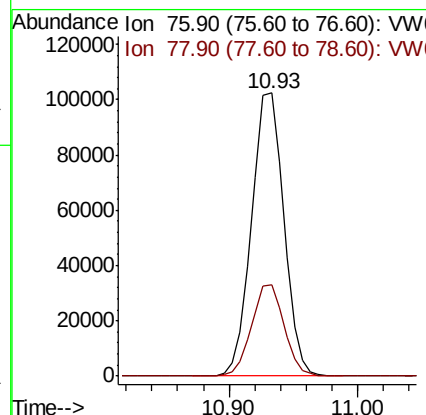
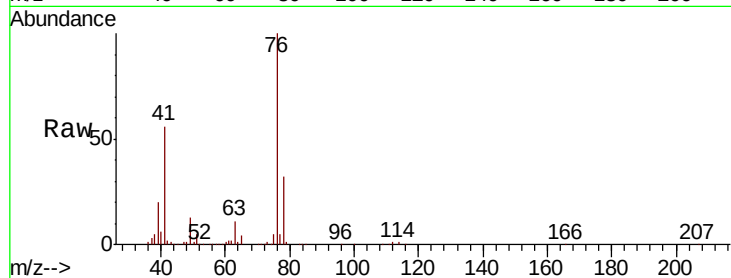
#57
 1,3-Dichloropropane
 Concen: 49.771 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 177145
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0

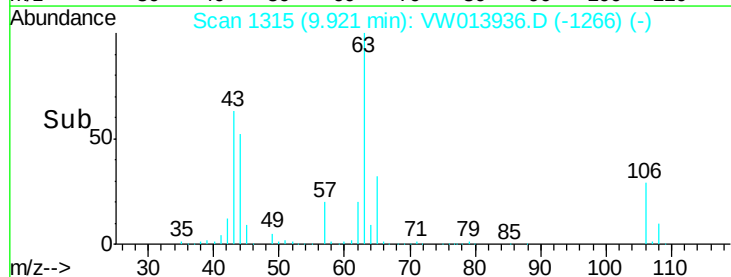
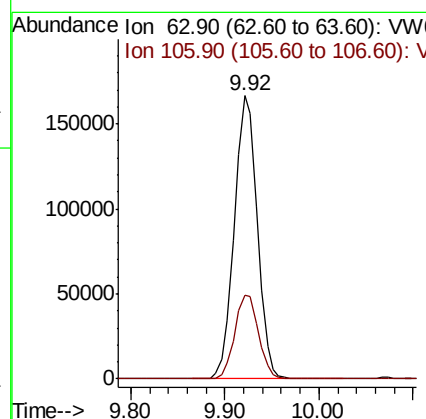
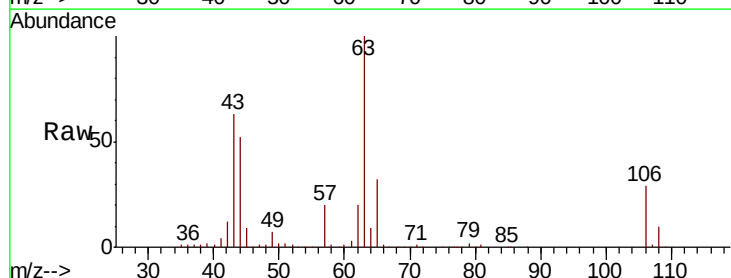
Manual Integrations
 APPROVED

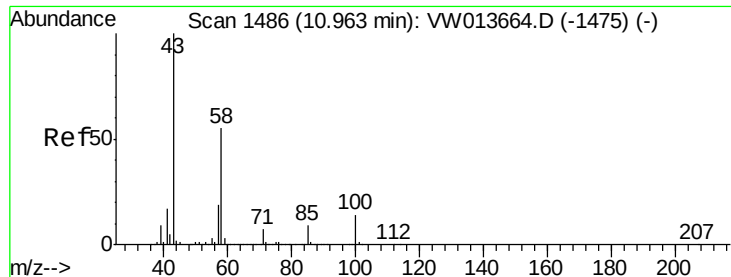
MMDadoda
 11/12/2019 12:58:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.477 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion: 63 Resp: 281224
 Ion Ratio Lower Upper
 63 100
 106 30.5 23.8 35.8





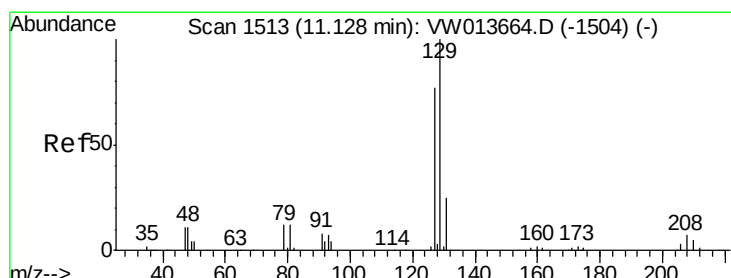
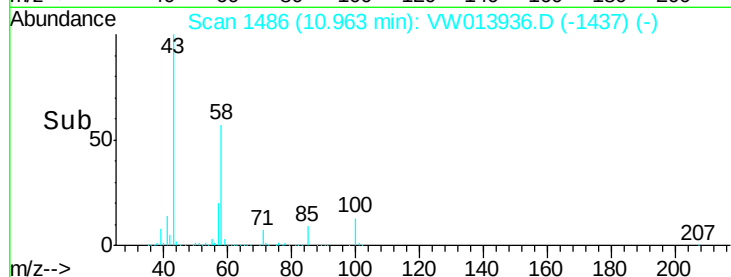
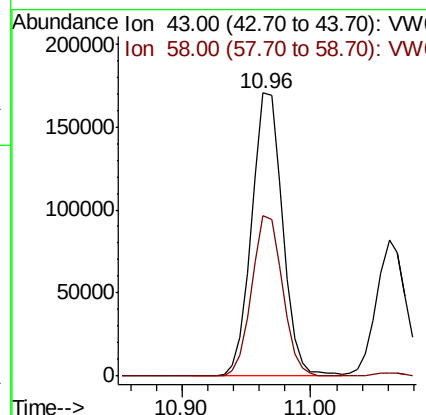
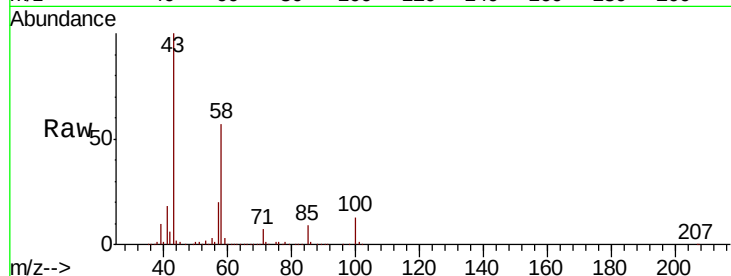
#59
2-Hexanone
Concen: 264.116 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	27.9	83.7

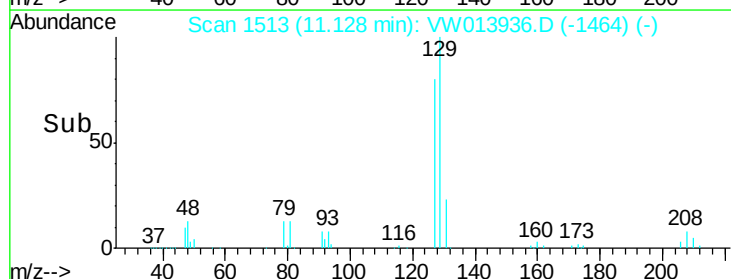
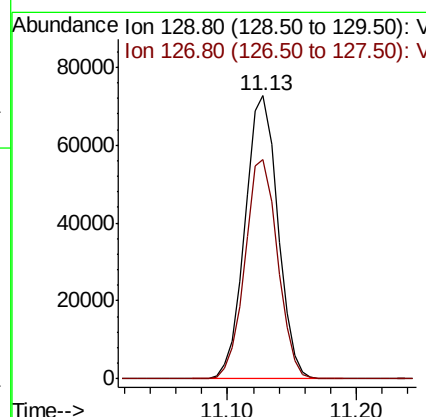
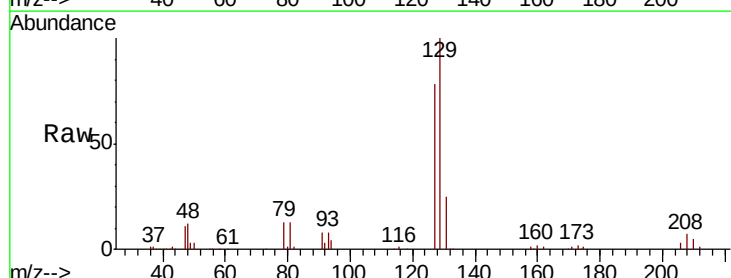
Manual Integrations
APPROVED

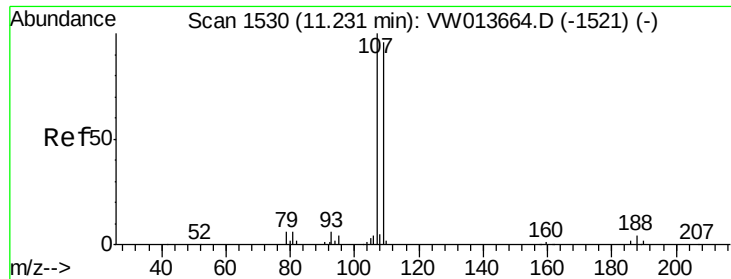
MMDadoda
11/12/2019 12:58:08 PM



#60
Dibromochloromethane
Concen: 51.759 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.9	116.7





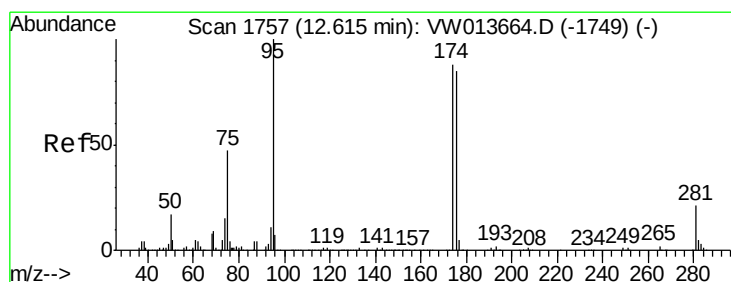
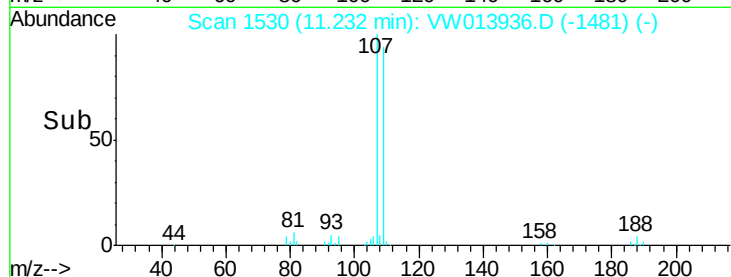
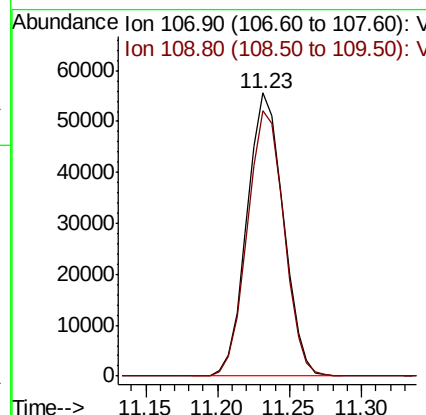
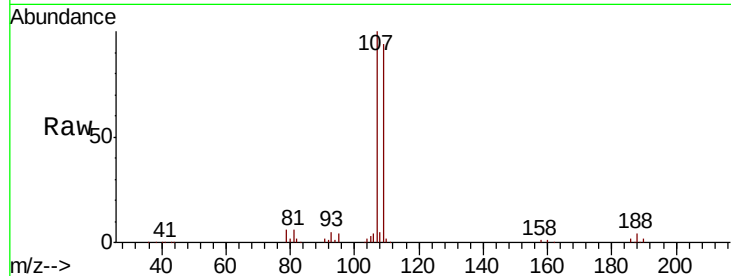
#61
 1,2-Dibromoethane
 Concen: 49.662 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 97446
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.7 113.5

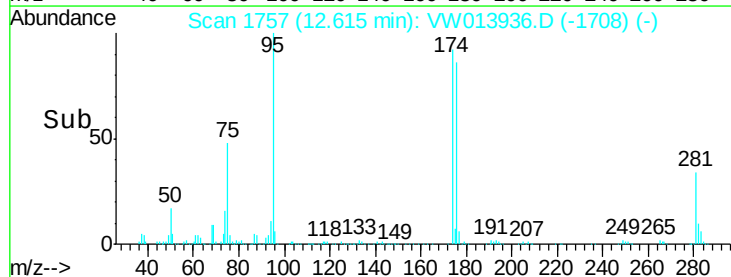
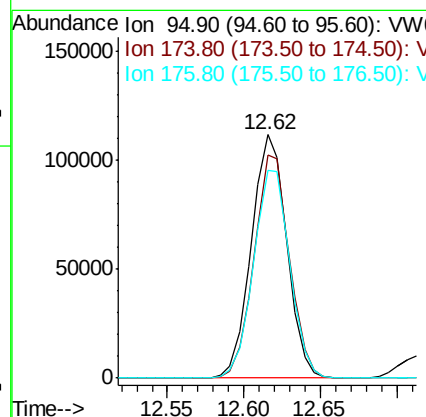
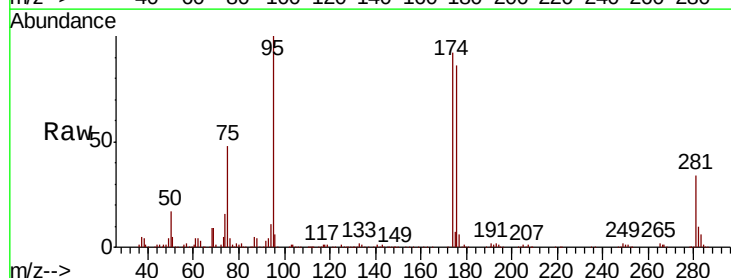
Manual Integrations
 APPROVED

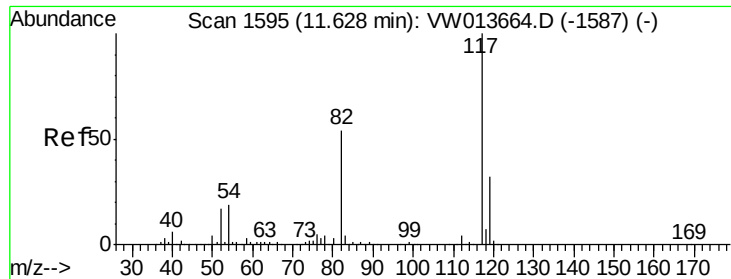
MMDadoda
 11/12/2019 12:58:08 PM



#62
 4-Bromofluorobenzene
 Concen: 51.363 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion: 95 Resp: 179350
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 183.6
 176 88.1 0.0 178.0





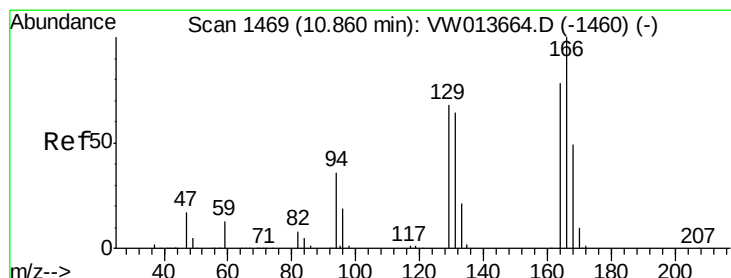
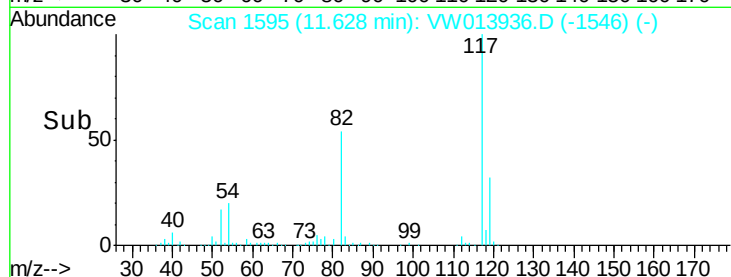
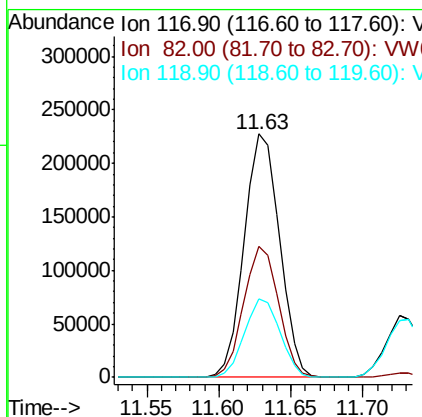
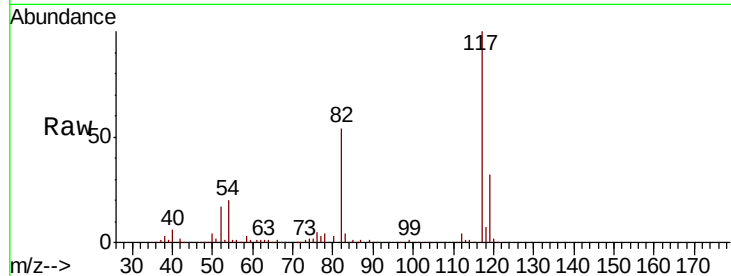
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.6	65.4
119	32.2	25.4	38.2

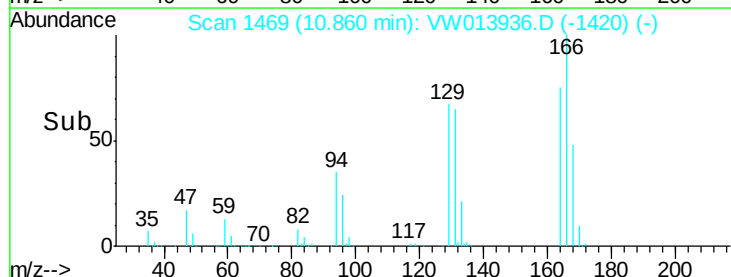
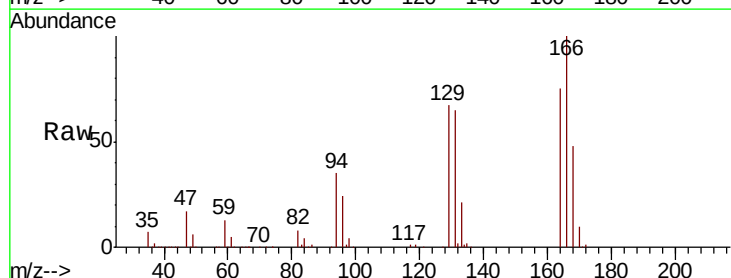
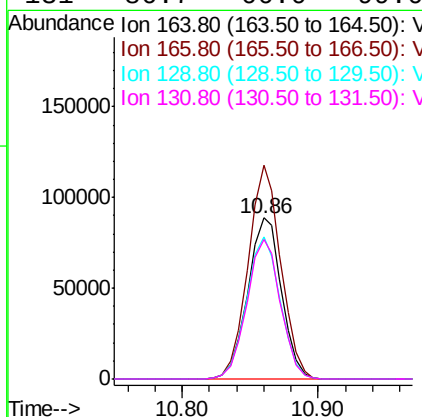
Manual Integrations
APPROVED

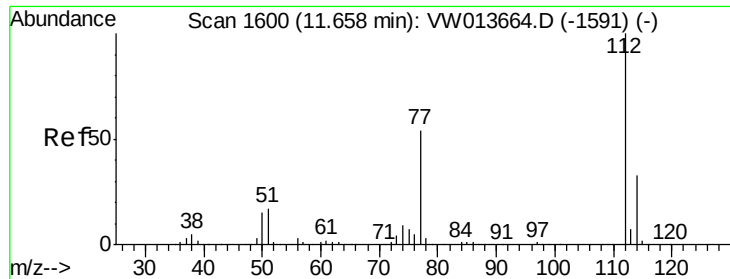
MMDadoda
11/12/2019 12:58:08 PM



#64
Tetrachloroethene
Concen: 52.004 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	103.2	154.8
129	88.5	70.6	105.8
131	86.7	66.0	99.0





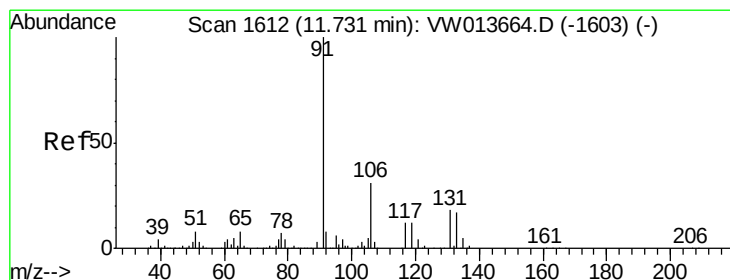
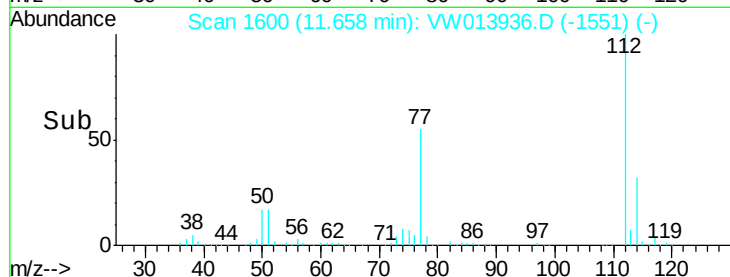
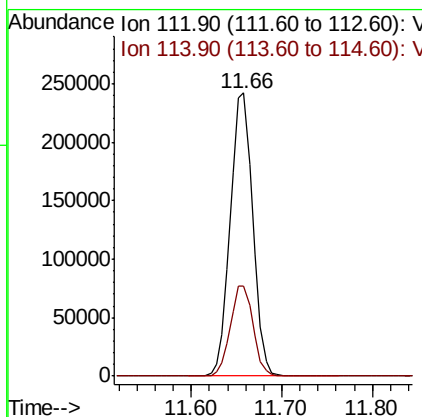
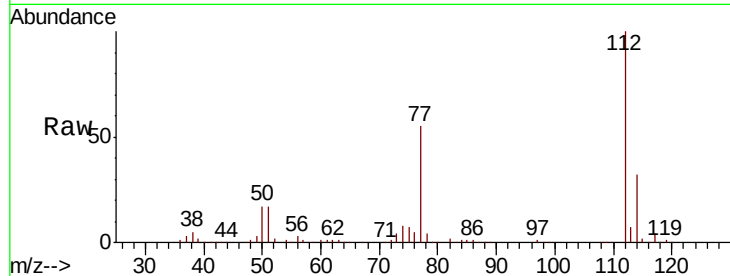
#65
Chlorobenzene
Concen: 52.367 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 416790
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4

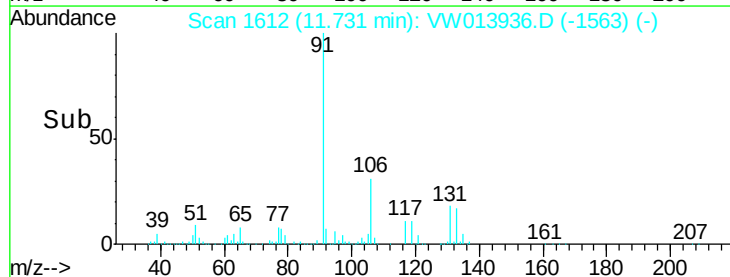
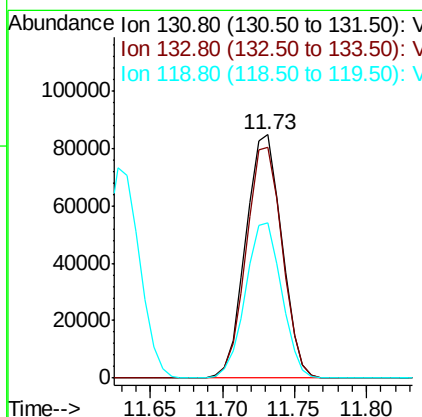
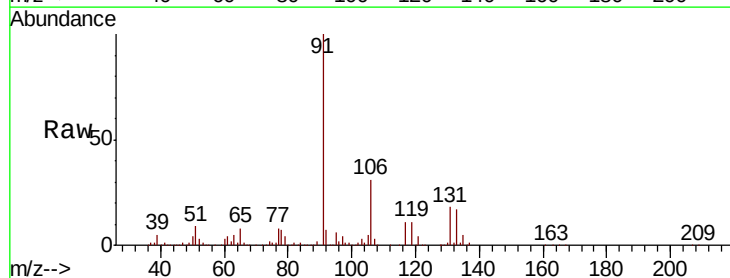
Manual Integrations
APPROVED

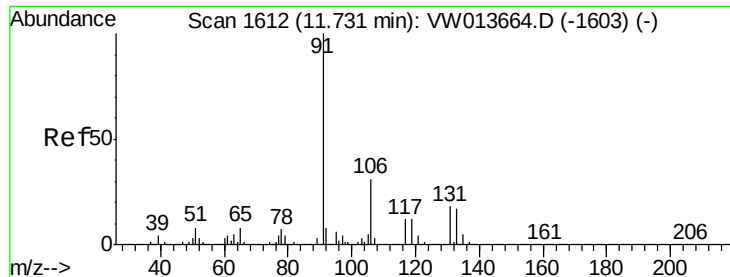
MMDadoda
11/12/2019 12:58:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.033 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion:131 Resp: 147308
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.3
119 63.7 33.1 99.2





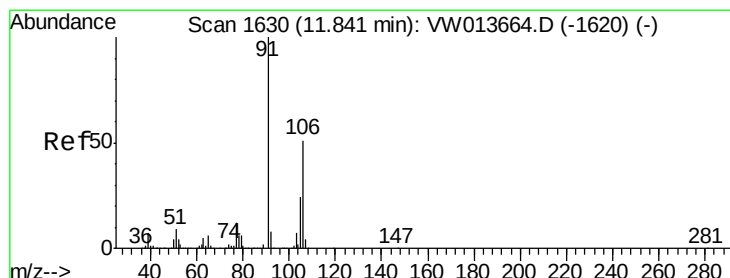
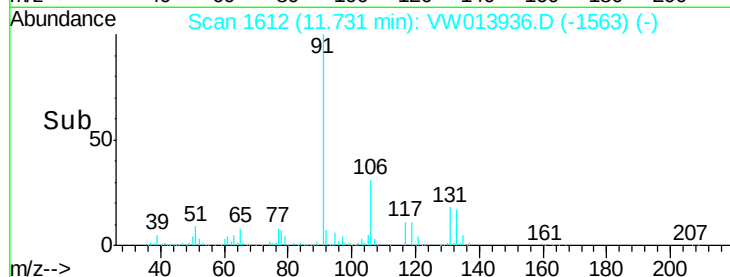
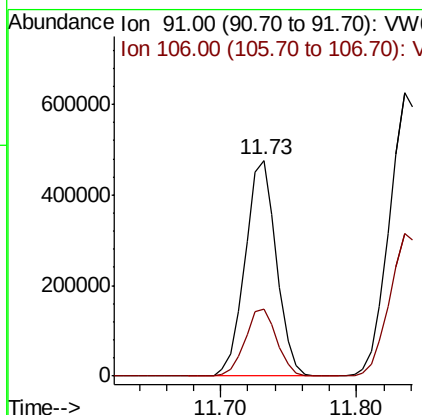
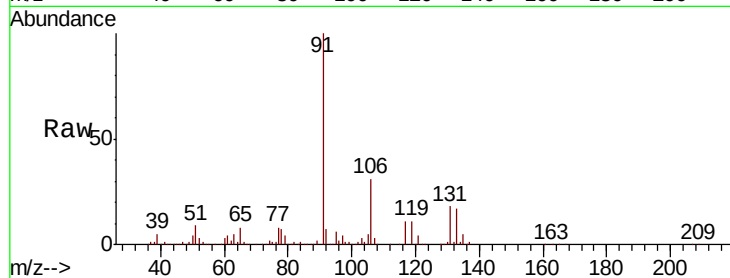
#67
Ethyl Benzene
Concen: 53.444 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 767000
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

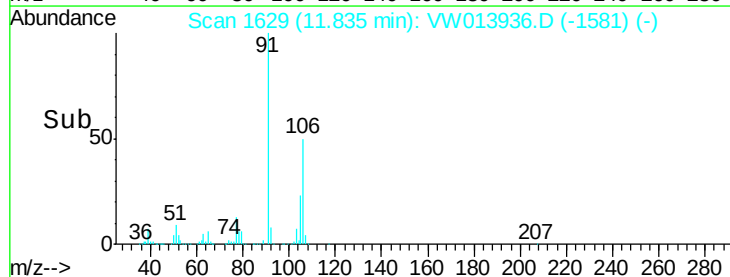
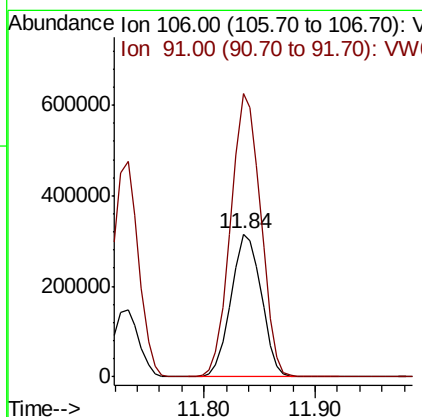
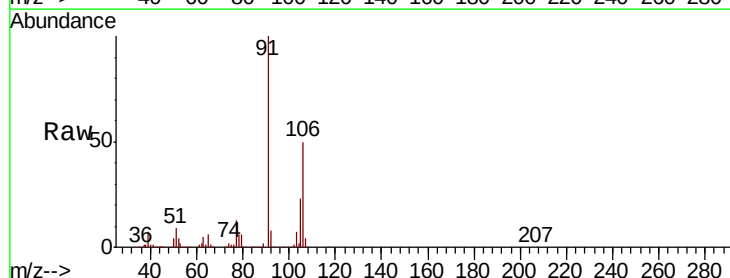
Manual Integrations
APPROVED

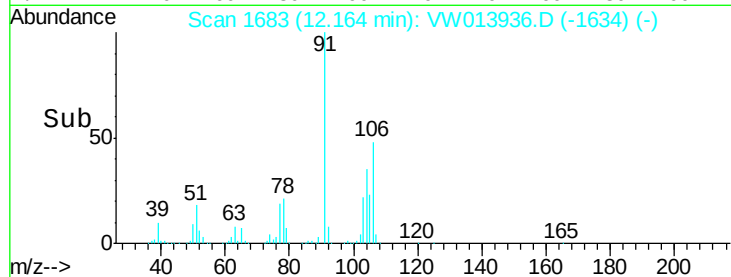
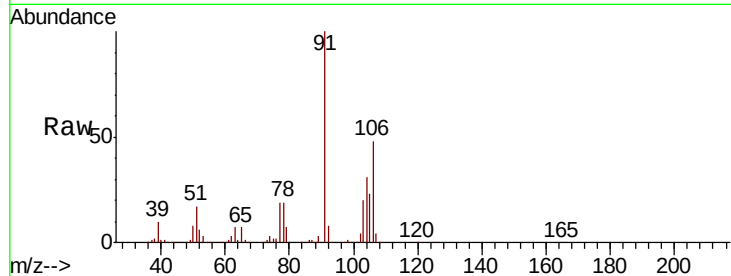
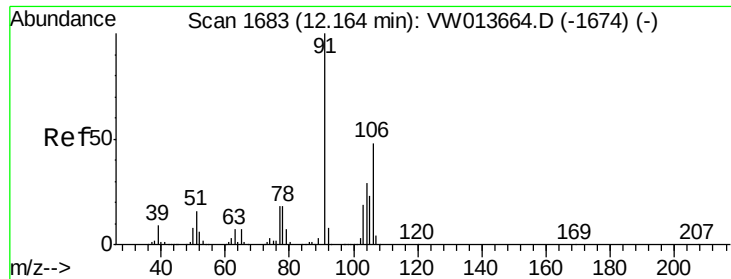
MMDadoda
11/12/2019 12:58:08 PM



#68
m/p-Xylenes
Concen: 107.122 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion: 106 Resp: 593962
Ion Ratio Lower Upper
106 100
91 196.6 159.2 238.8





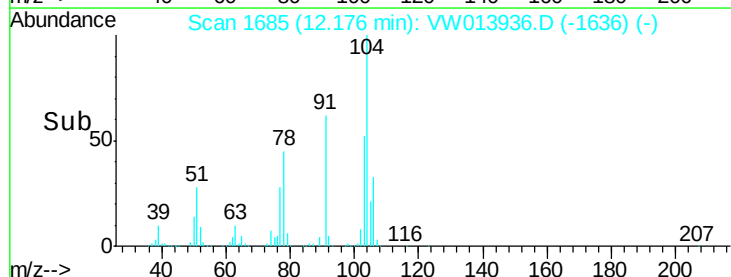
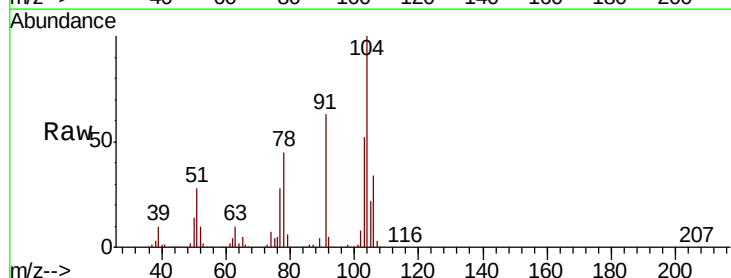
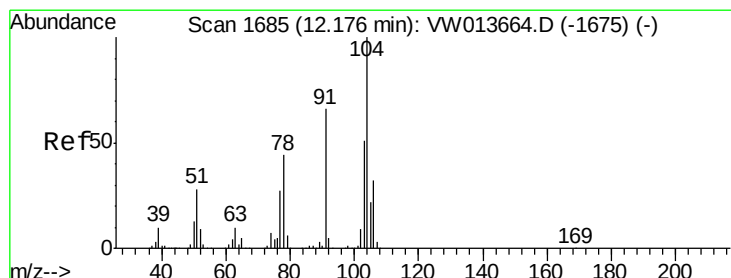
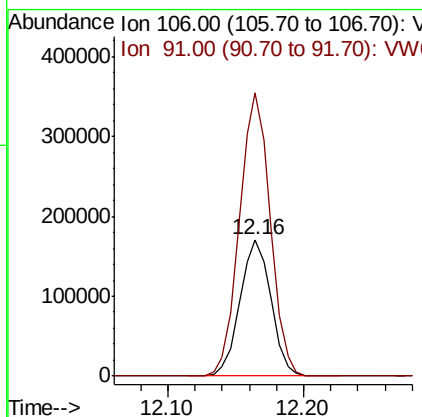
#69
o-Xylene
Concen: 53.120 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tot Ion	Ratio	Resp	Lower	Upper
106	100	270726		
91	206.6	104.9	314.7	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

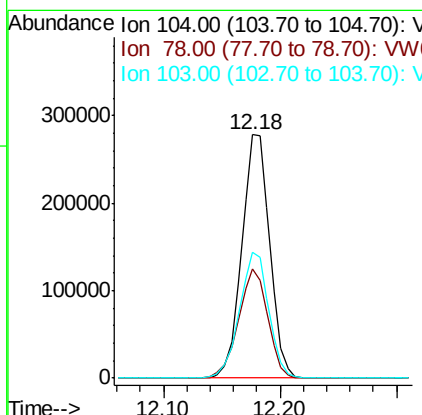
Manual Integrations
APPROVED

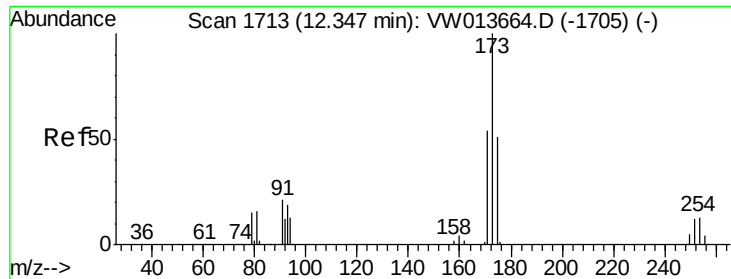
MMDadoda
11/12/2019 12:58:08 PM



#70
Styrene
Concen: 53.136 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	465289		
78	47.1	37.1	55.7	
103	54.1	43.6	65.4	





#71

Bromoform

Concen: 51.324 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 74813

Ion Ratio Lower Upper

173 100

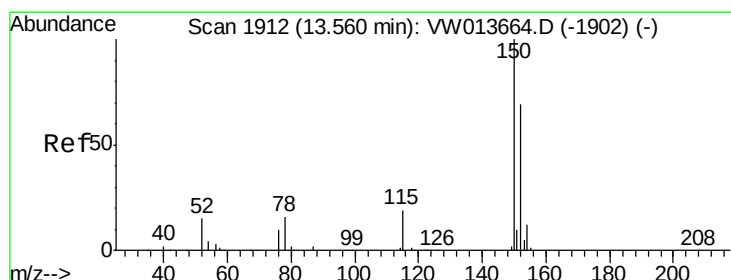
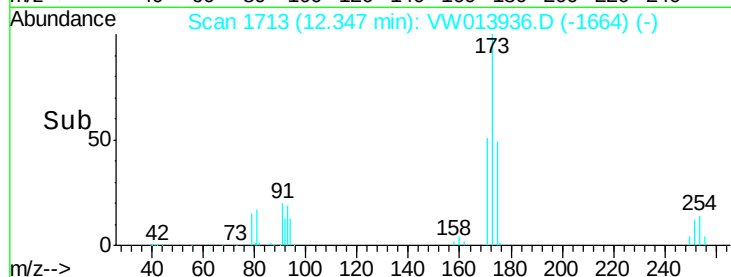
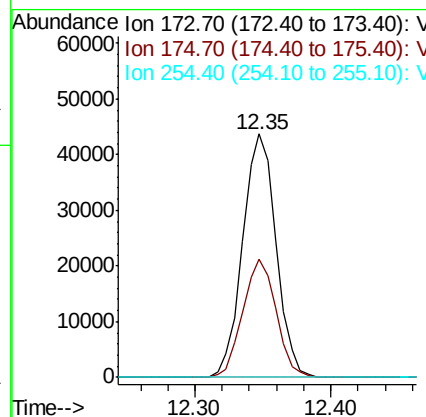
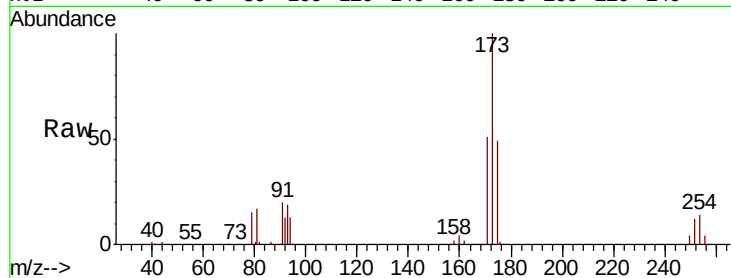
175 48.5 25.2 75.6

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

11/12/2019 12:58:08 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

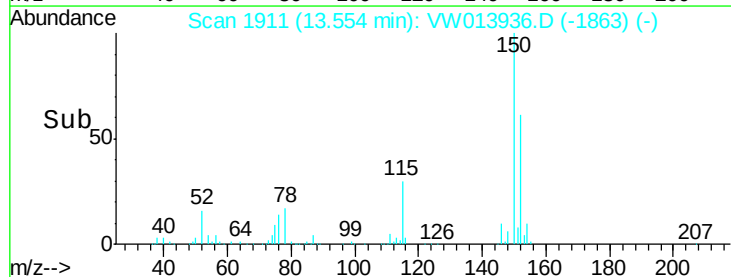
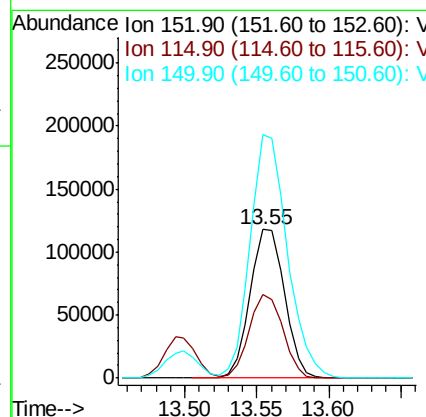
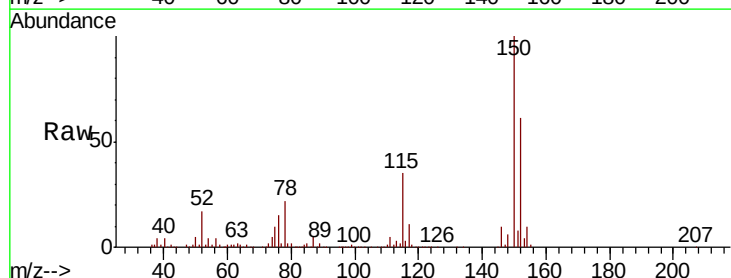
Tgt Ion:152 Resp: 195206

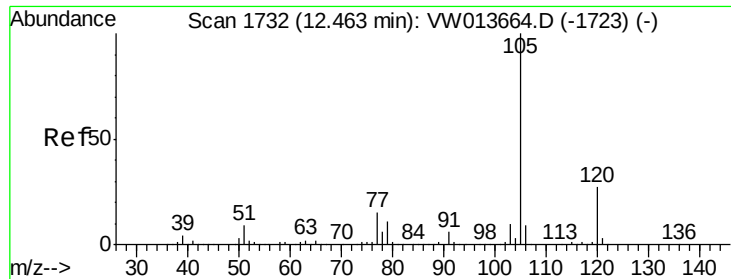
Ion Ratio Lower Upper

152 100

115 55.3 27.4 82.2

150 176.8 0.0 345.4





#73

Isopropylbenzene

Concen: 54.837 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 768728

Ion Ratio Lower Upper

105 100

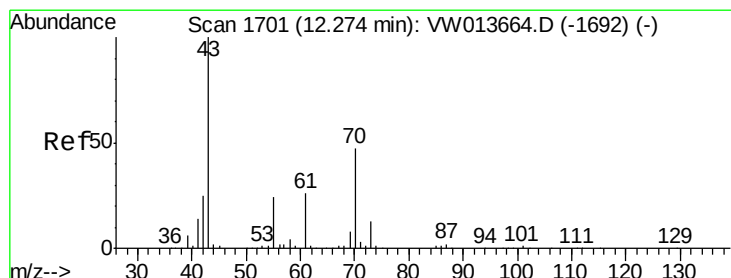
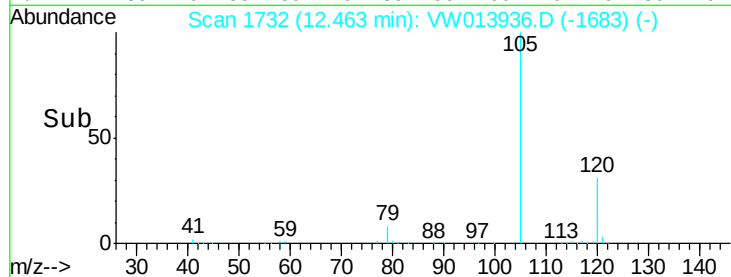
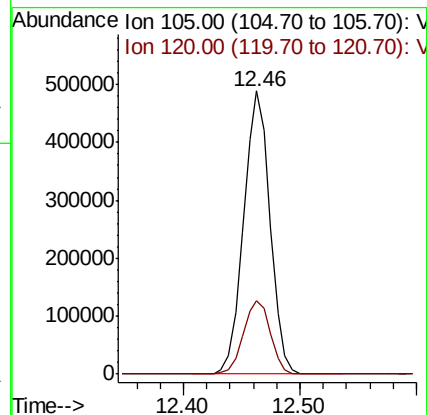
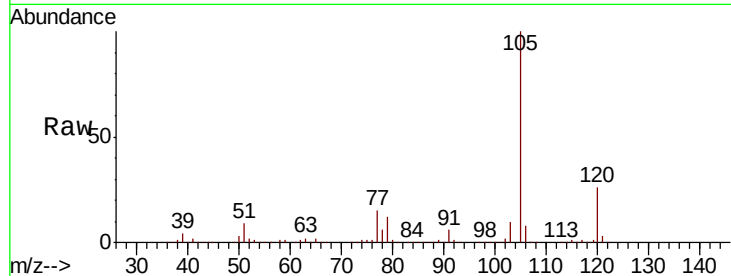
120 26.8 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

11/12/2019 12:58:08 PM



#74

N-ethyl acetate

Concen: 51.725 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion: 43 Resp: 140265

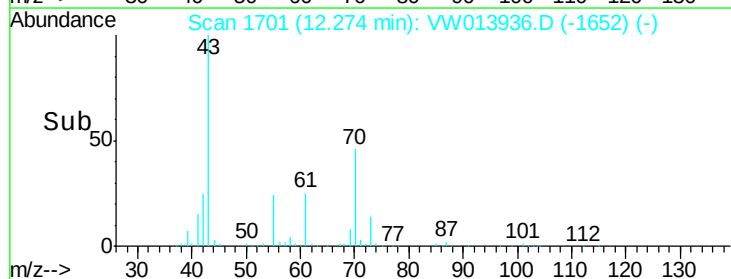
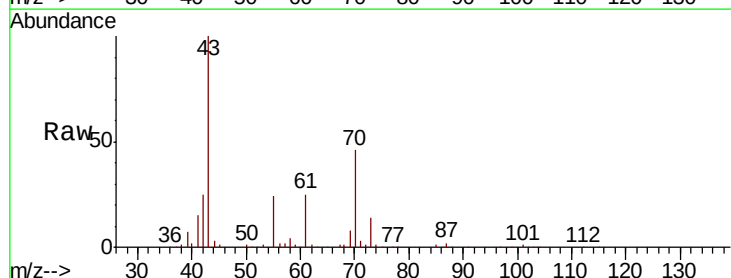
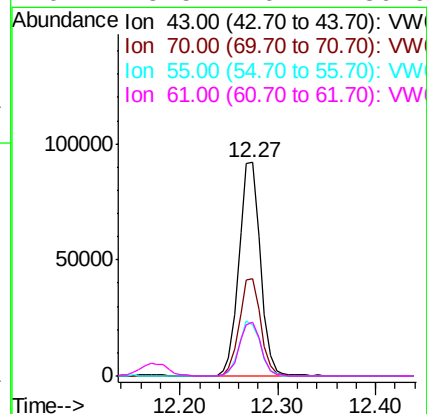
Ion Ratio Lower Upper

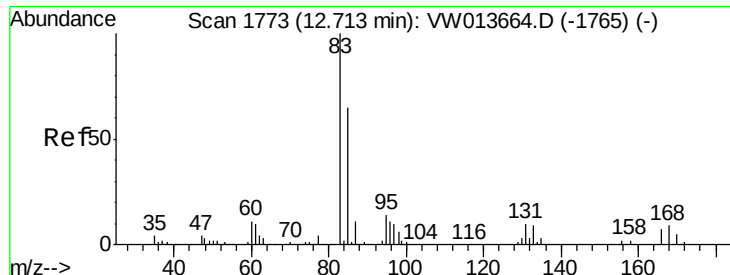
43 100

70 45.2 36.6 55.0

55 25.6 20.3 30.5

61 25.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.217 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

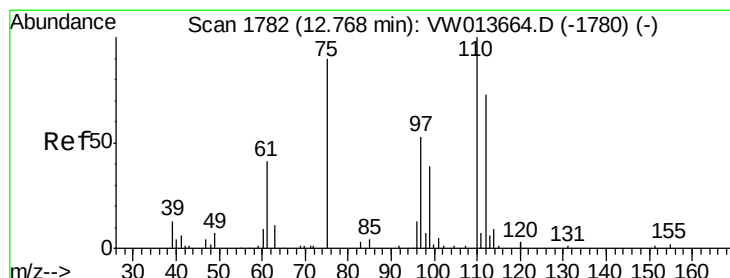
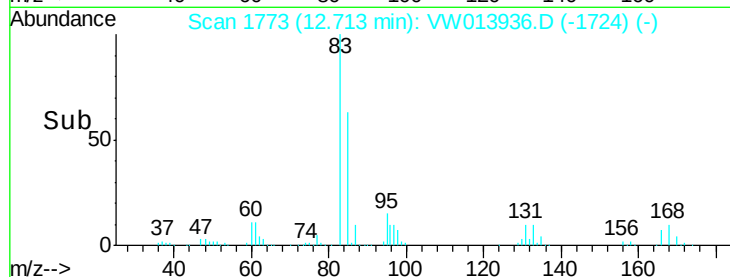
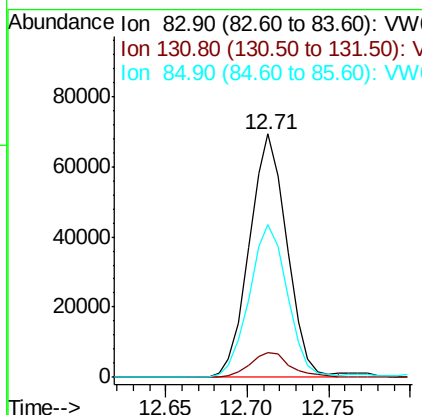
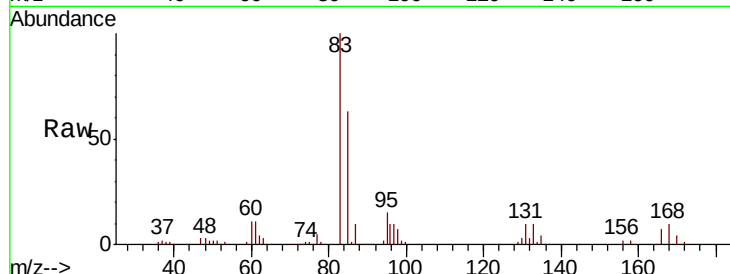
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	111088
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.7	17.1
85	63.8	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#76

1,2,3-Trichloropropane

Concen: 60.539 ug/l m

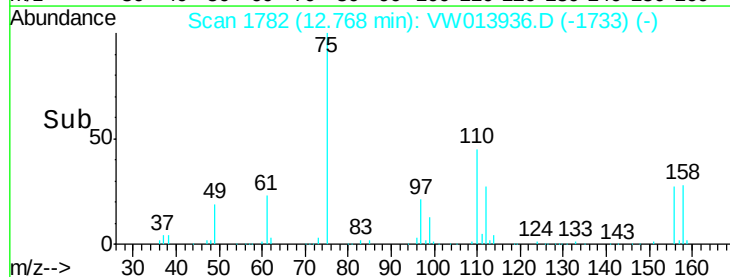
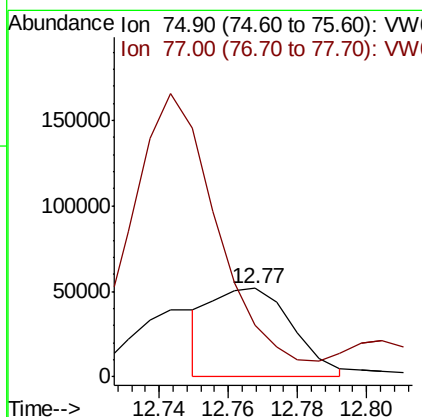
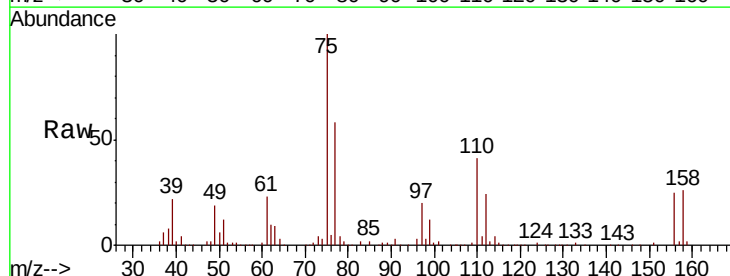
RT: 12.77 min Scan# 1782

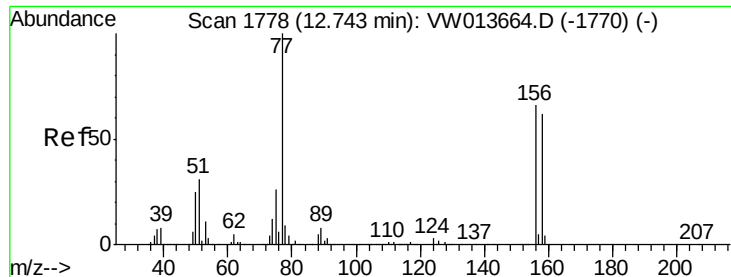
Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion:	75	Resp:	84867
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.386 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

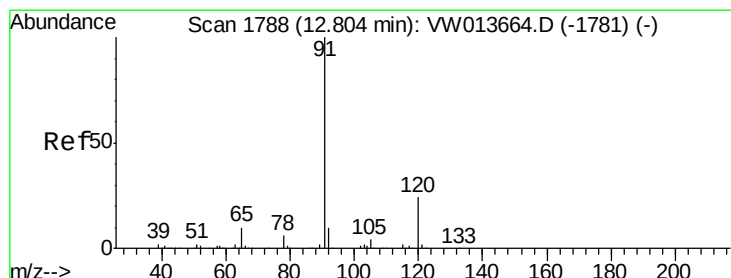
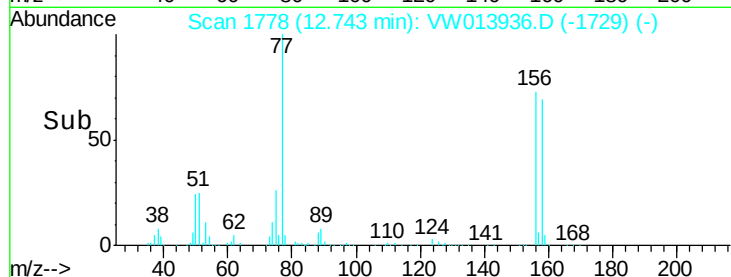
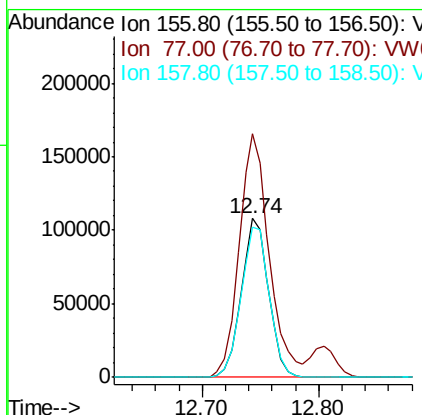
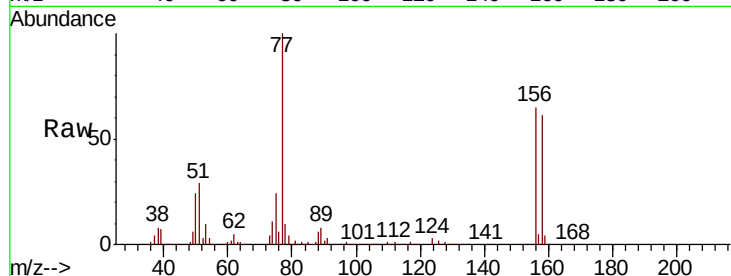
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		175431		
77	168.6	82.9	248.7		
158	97.7	48.4	145.2		

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#78

n-propylbenzene

Concen: 55.641 ug/l

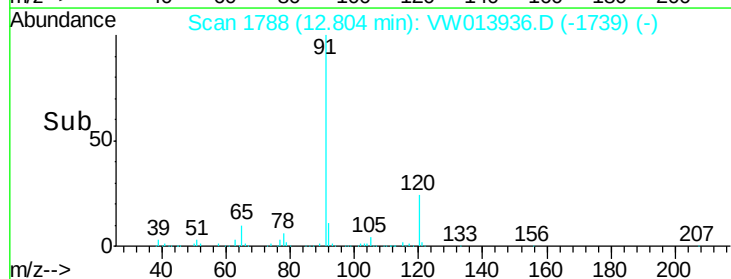
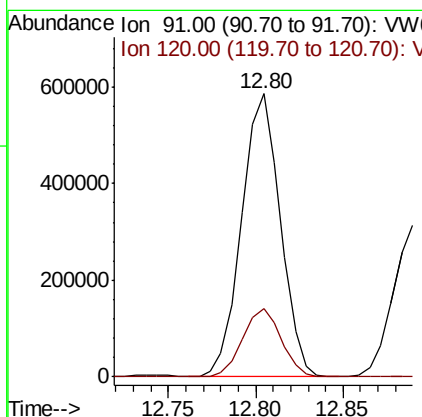
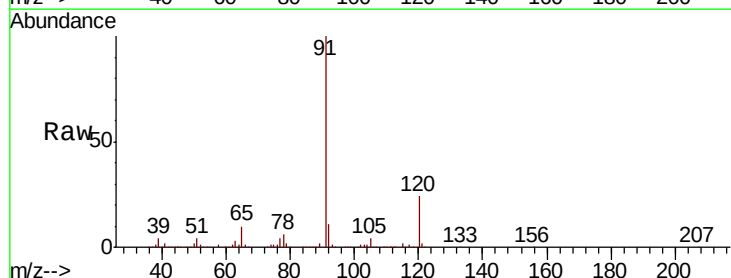
RT: 12.80 min Scan# 1788

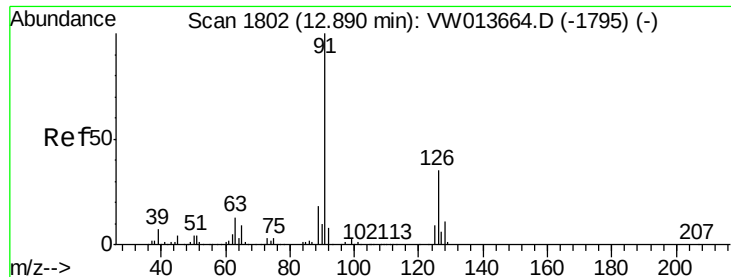
Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		902797		
120	24.0	12.0	36.0		





#79

2-Chlorotoluene

Concen: 54.506 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 496997

Ion Ratio Lower Upper

91 100

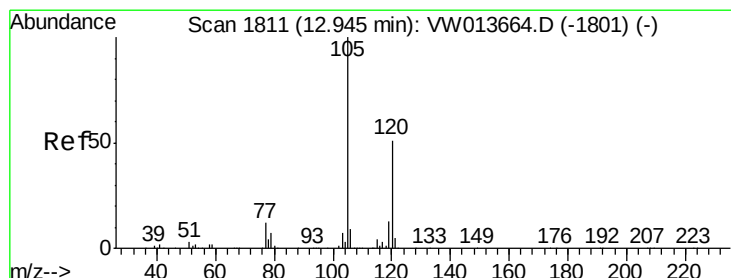
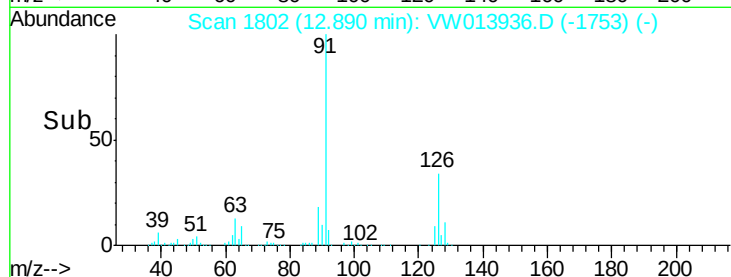
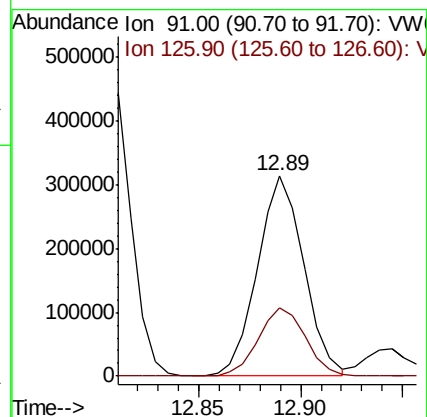
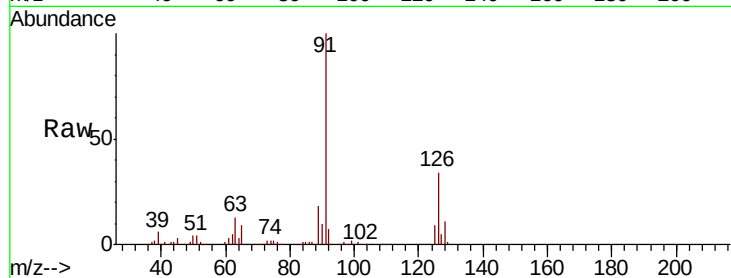
126 34.6 17.4 52.2

Manual Integrations

APPROVED

MMDadoda

11/12/2019 12:58:08 PM



#80

1,3,5-Trimethylbenzene

Concen: 54.681 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013936.D

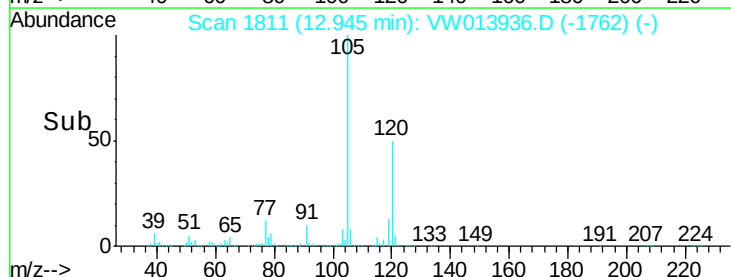
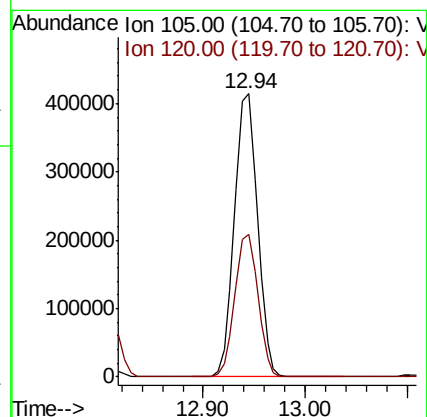
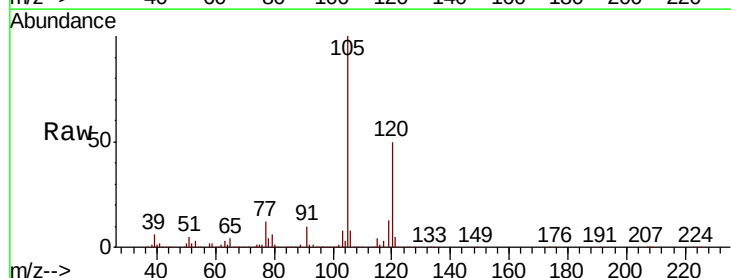
Acq: 08 Nov 2019 10:41

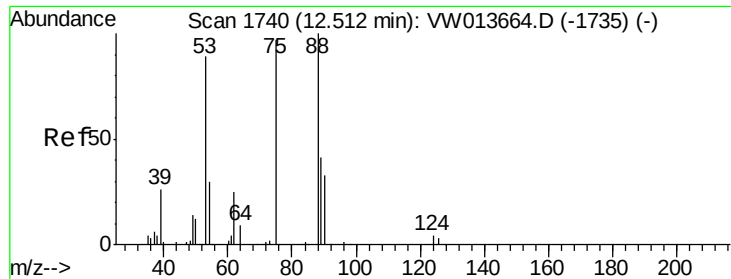
Tgt Ion: 105 Resp: 647087

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.3





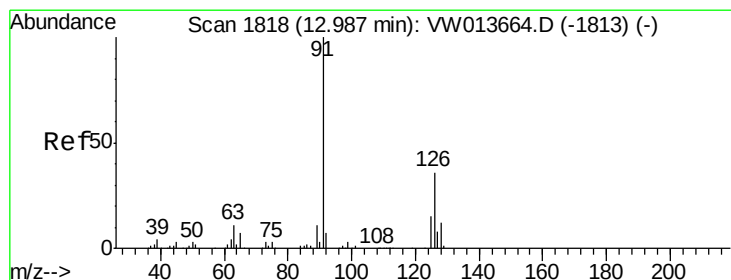
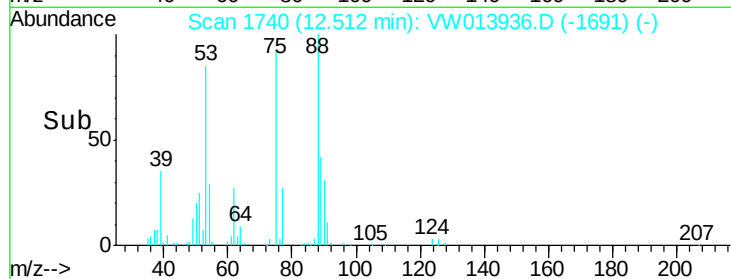
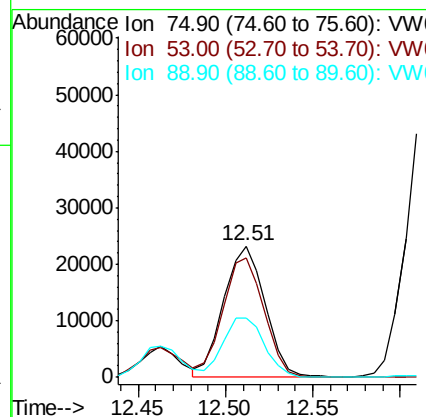
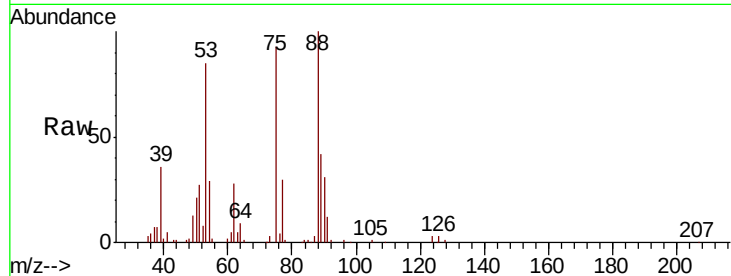
#81
trans-1,4-Dichloro-2-butene
Concen: 51.611 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.8	71.7	107.5
89	45.0	35.8	53.8

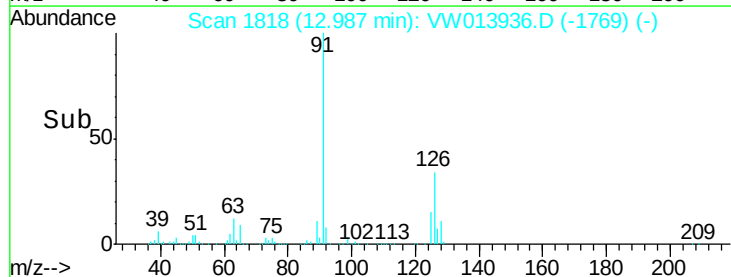
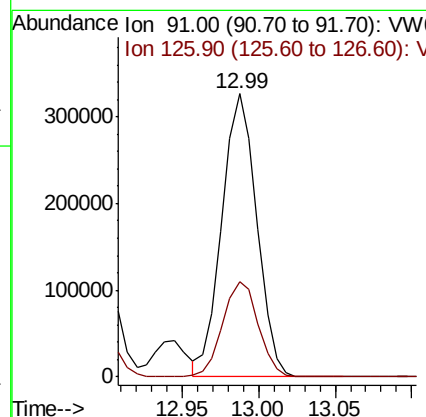
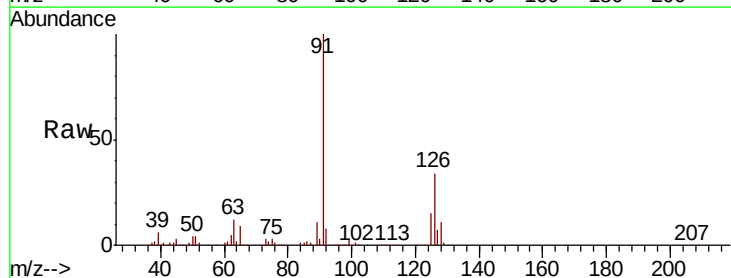
Manual Integrations
APPROVED

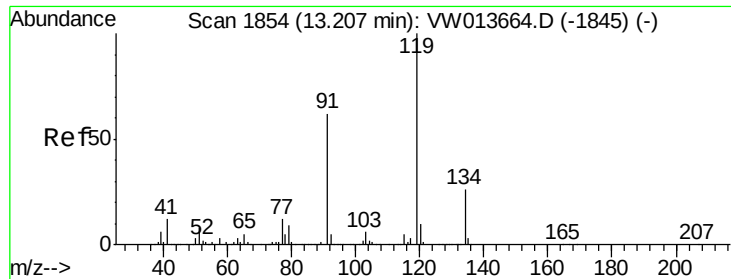
MMDadoda
11/12/2019 12:58:08 PM



#82
4-Chlorotoluene
Concen: 53.933 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.5





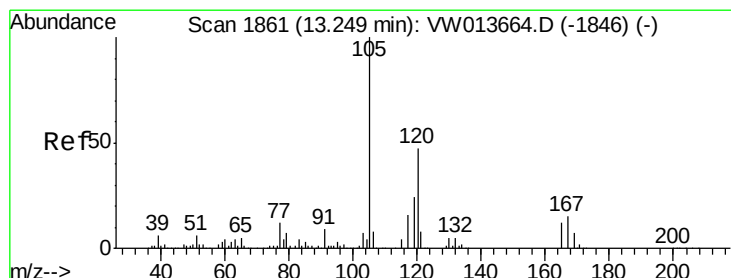
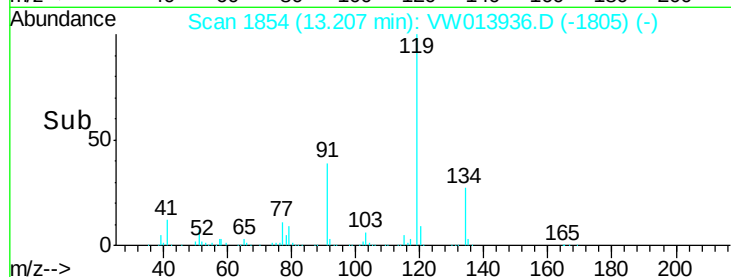
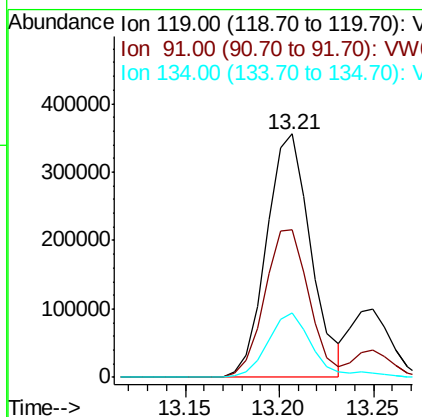
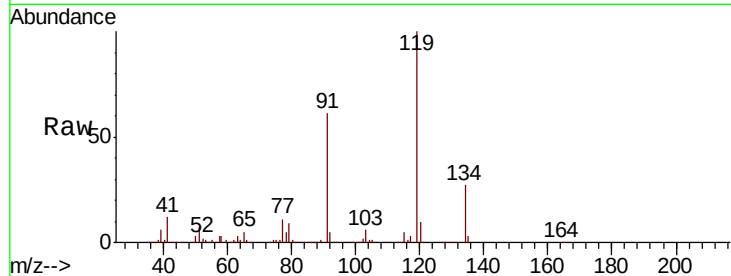
#83
 tert-Butylbenzene
 Concen: 55.272 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	580592		
91	60.7		30.4	91.3
134	27.1		13.6	40.8

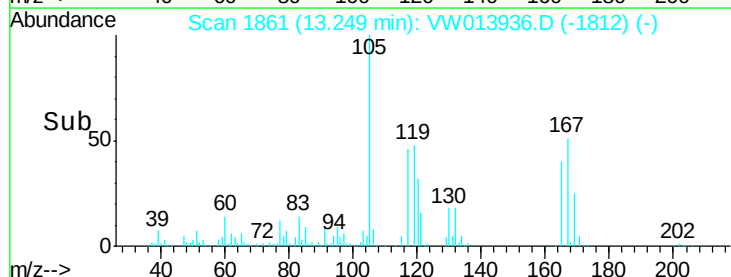
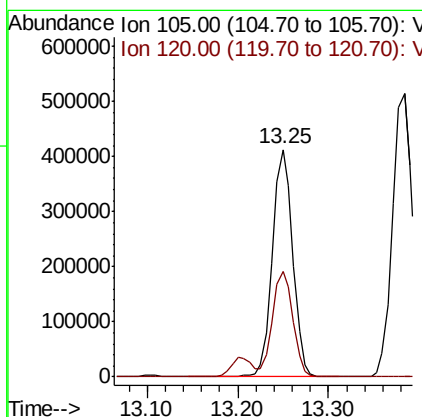
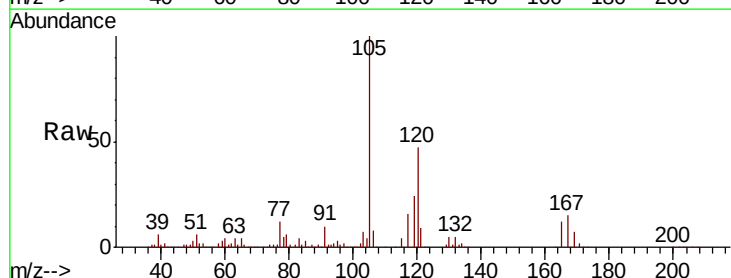
Manual Integrations
 APPROVED

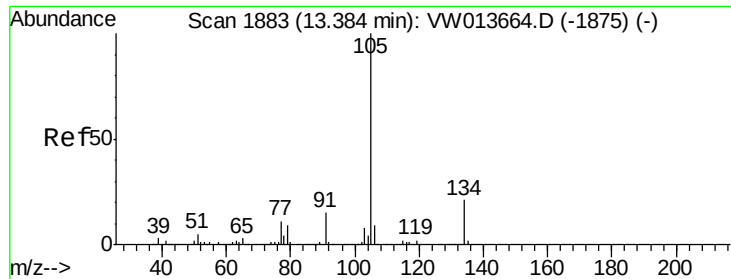
MMDadoda
 11/12/2019 12:58:08 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.797 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	639664		
120	46.5		23.5	70.5





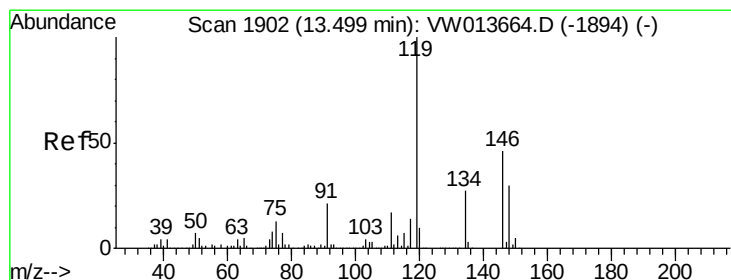
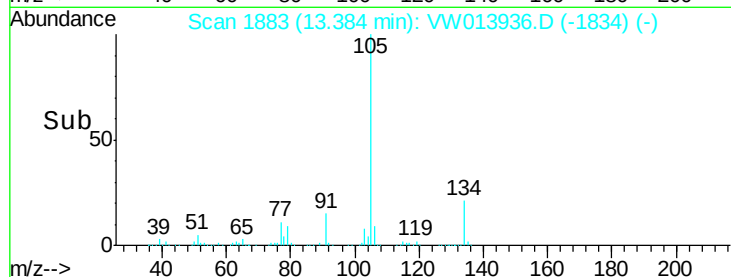
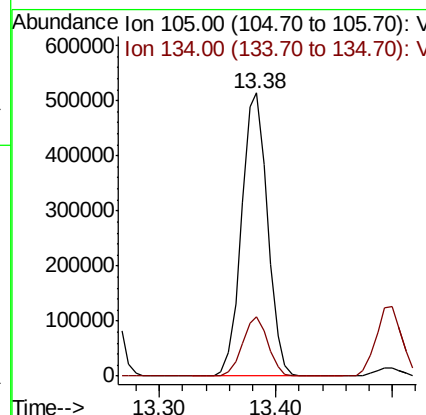
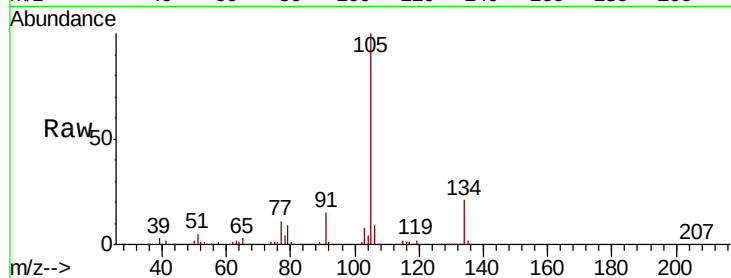
#85
 sec-Butylbenzene
 Concen: 55.646 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.5	31.5

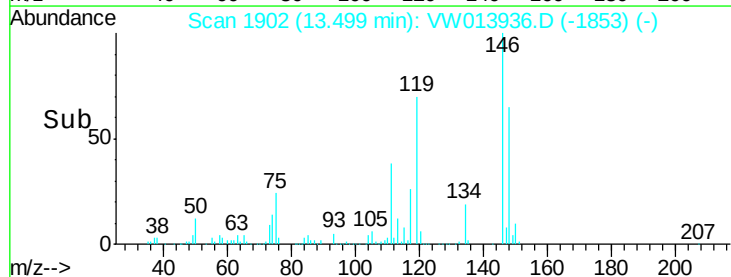
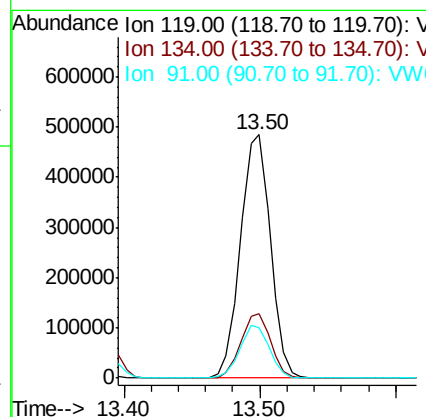
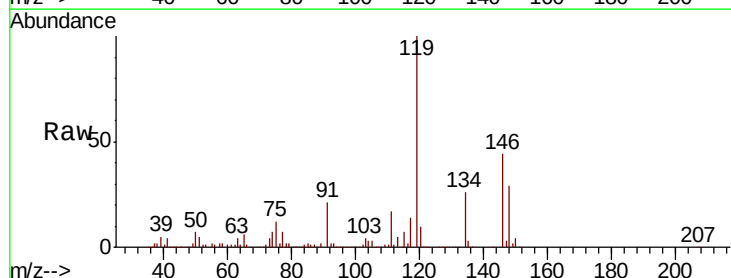
Manual Integrations
 APPROVED

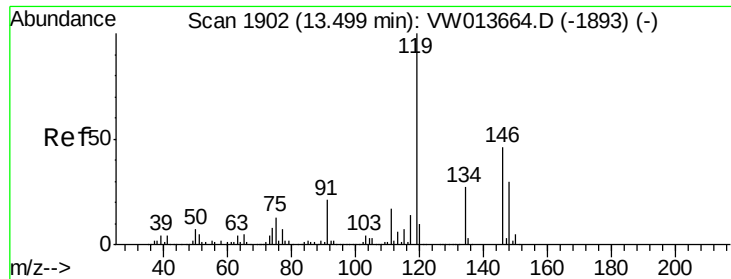
MMDadoda
 11/12/2019 12:58:08 PM



#86
 p-Isopropyltoluene
 Concen: 55.672 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.1
91	21.3	10.8	32.3





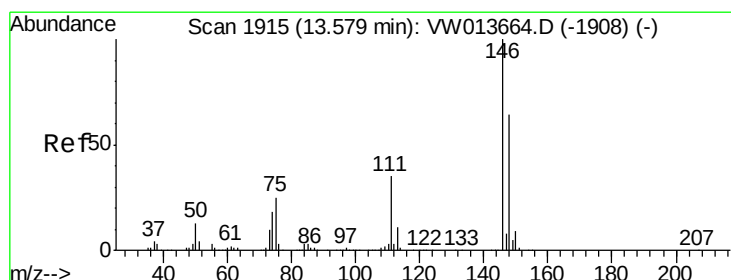
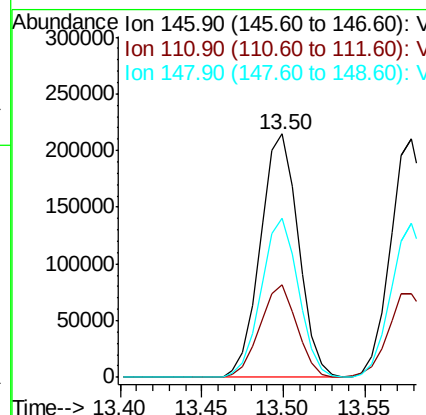
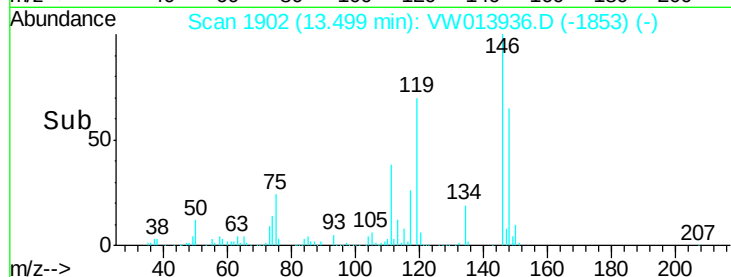
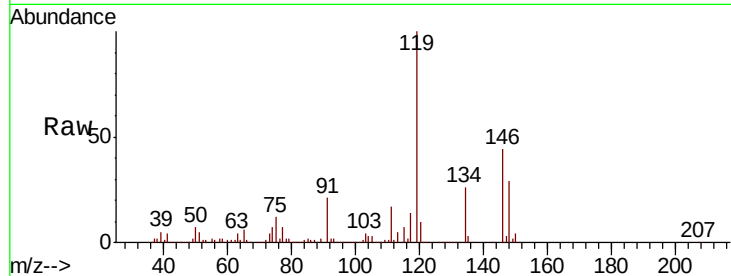
#87
 1,3-Dichlorobenzene
 Concen: 53.724 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	348584		
111	37.1	18.6	56.0	
148	63.9	31.7	95.1	

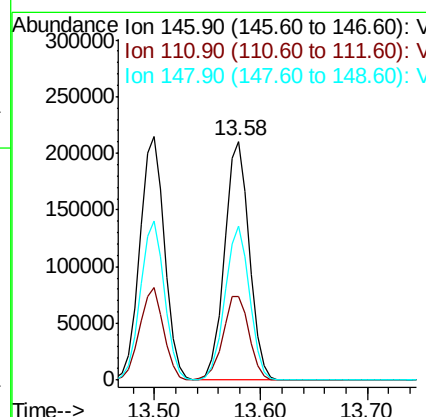
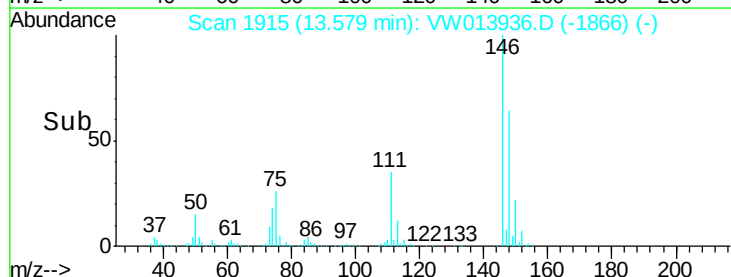
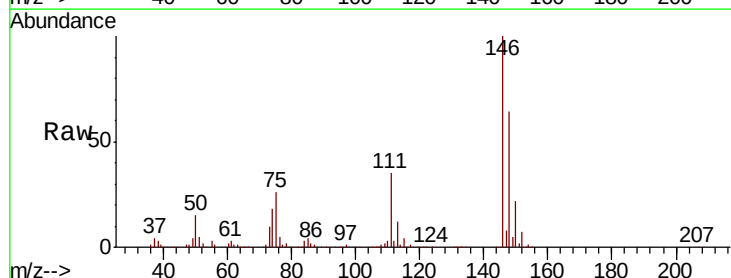
Manual Integrations
 APPROVED

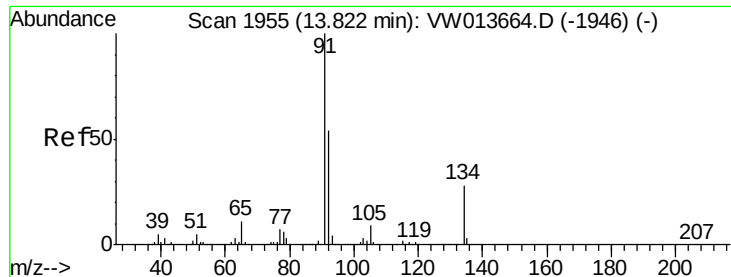
MMDadoda
 11/12/2019 12:58:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.739 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	339954		
111	36.9	18.1	54.3	
148	64.1	32.0	96.2	





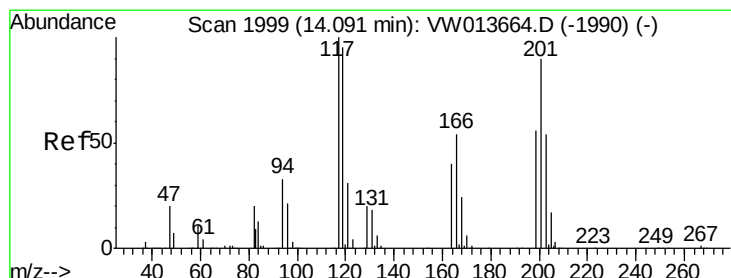
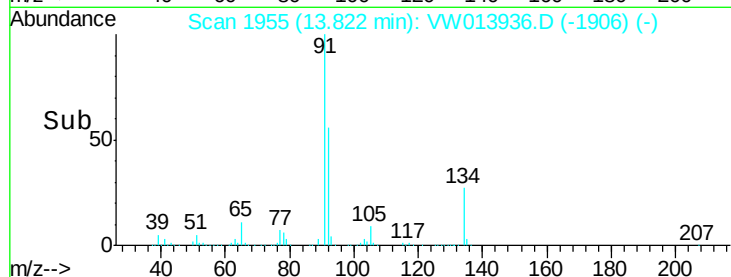
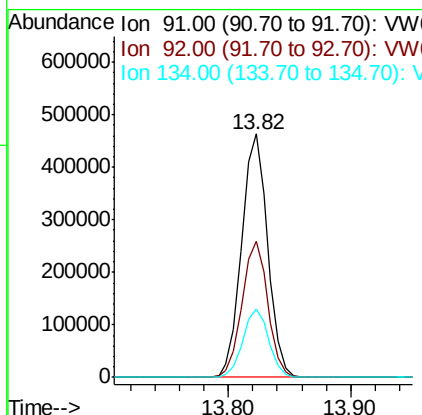
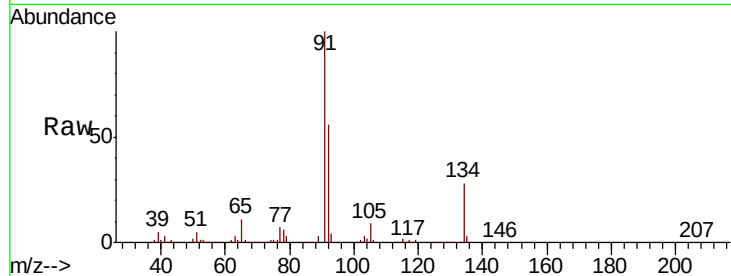
#89
n-Butylbenzene
Concen: 56.179 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		678502		
92	55.6	27.5		82.4	
134	28.2	14.0		41.9	

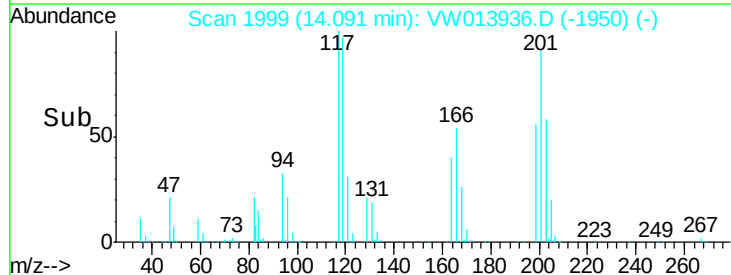
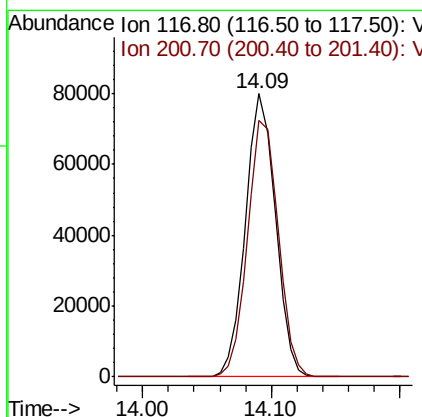
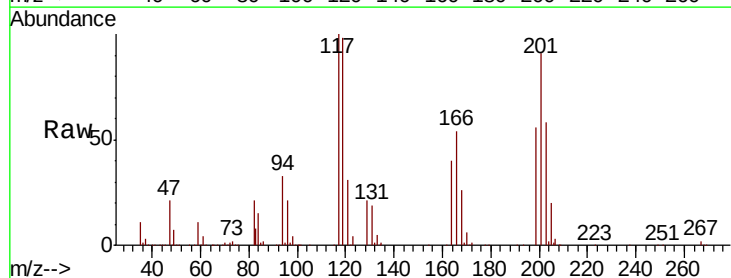
Manual Integrations
APPROVED

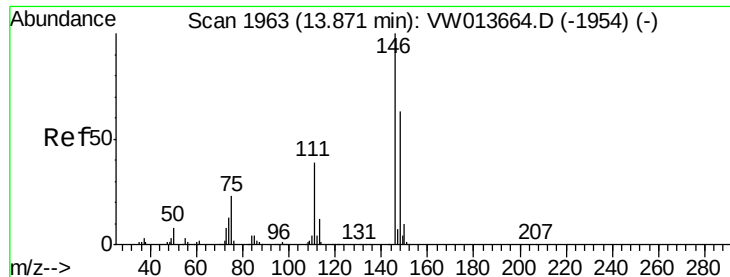
MMDadoda
11/12/2019 12:58:08 PM



#90
Hexachloroethane
Concen: 55.209 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		128402		
201	93.0	46.1		138.2	





#91

1,2-Dichlorobenzene

Concen: 52.893 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Instrument :

MSVOA_W

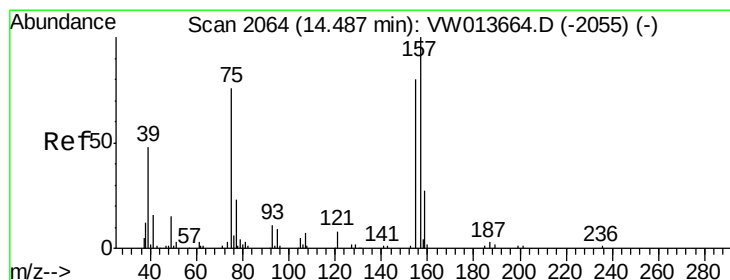
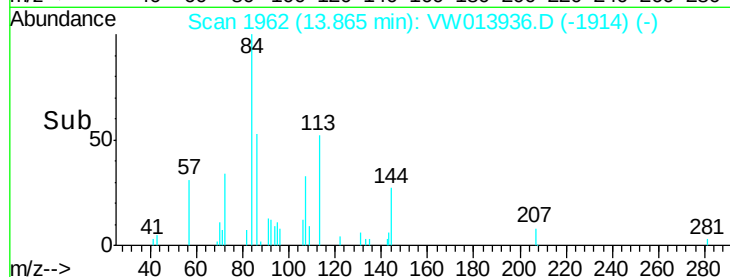
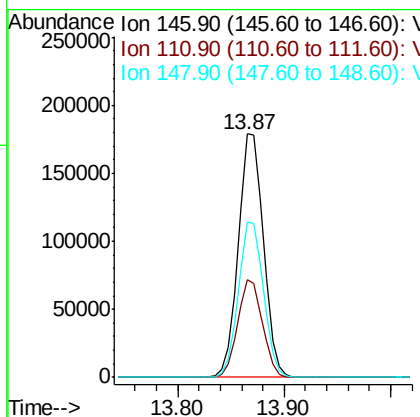
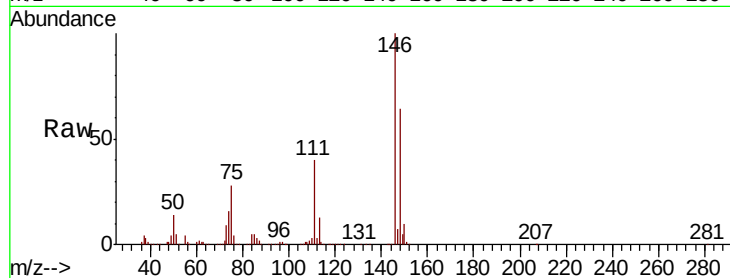
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	297569
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.9	59.6
148	63.8	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.289 ug/l

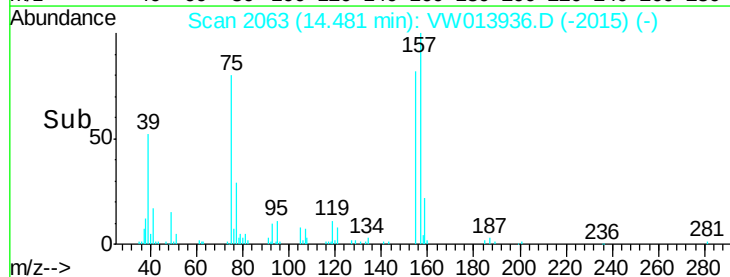
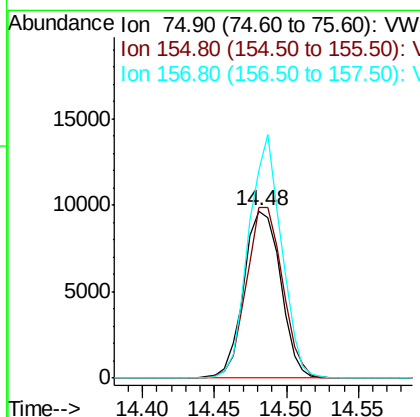
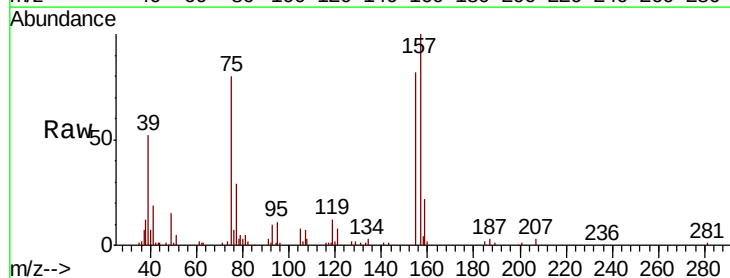
RT: 14.48 min Scan# 2063

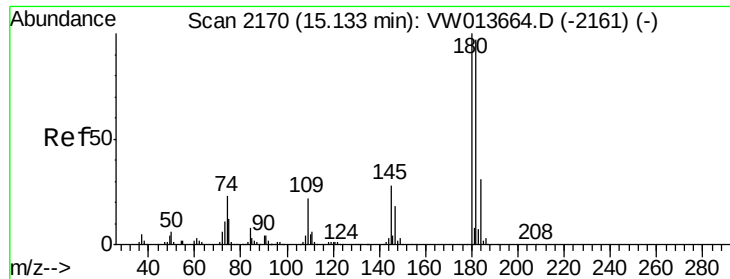
Delta R.T. -0.01 min

Lab File: VW013936.D

Acq: 08 Nov 2019 10:41

Tgt Ion:	75	Resp:	17157
Ion Ratio	Lower	Upper	
75	100		
155	99.9	51.9	155.7
157	128.8	64.8	194.3





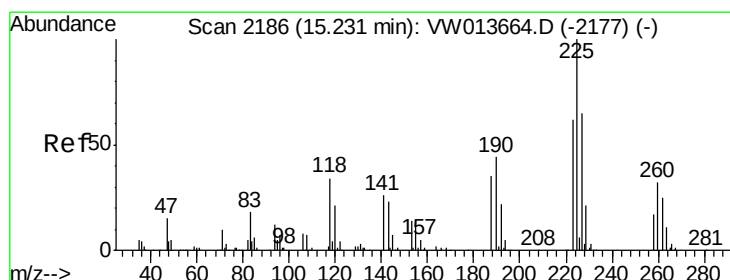
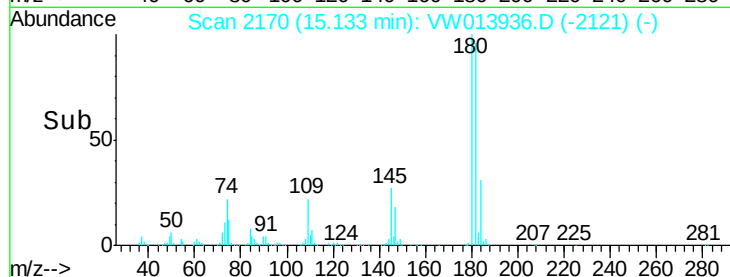
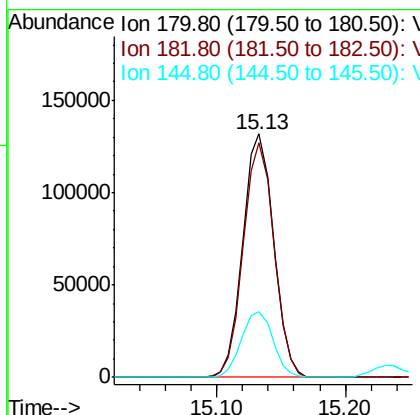
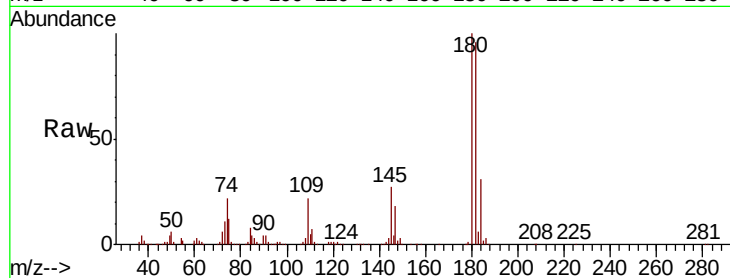
#93
 1,2,4-Trichlorobenzene
 Concen: 53.146 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	217597		
182	95.7	47.4	142.2	
145	27.8	14.1	42.3	

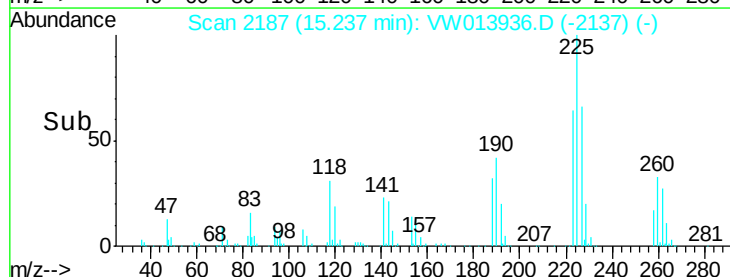
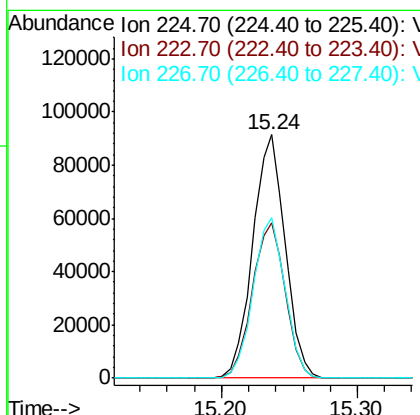
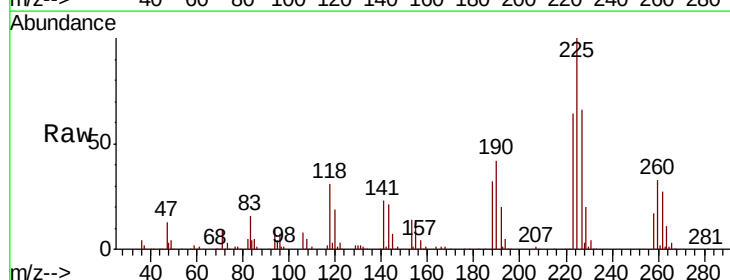
Manual Integrations
 APPROVED

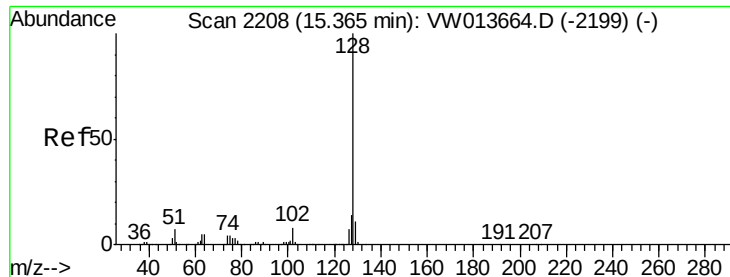
MMDadoda
 11/12/2019 12:58:08 PM



#94
 Hexachlorobutadiene
 Concen: 55.379 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013936.D
 Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153067		
223	64.6	31.9	95.9	
227	64.8	32.5	97.4	





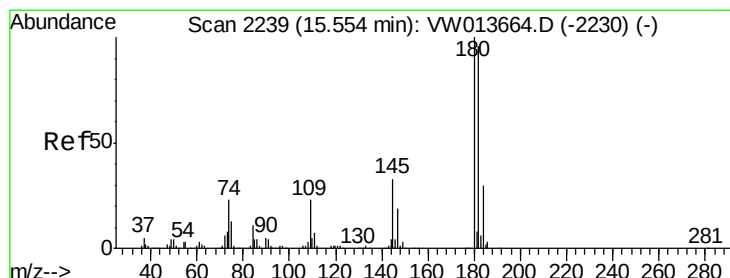
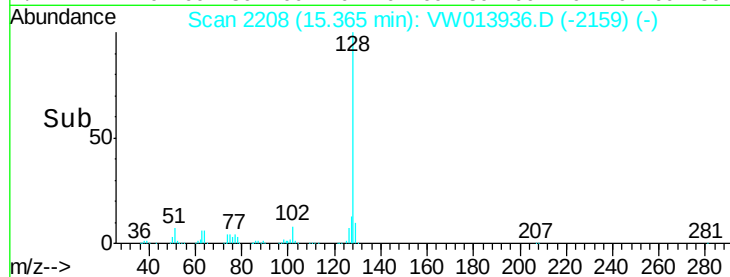
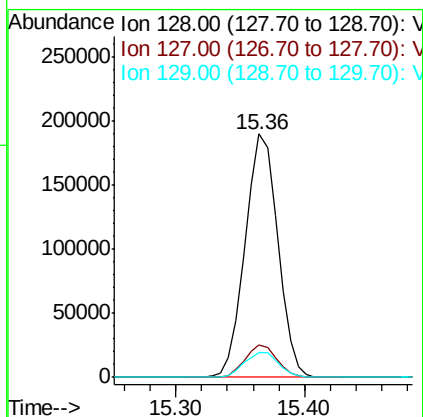
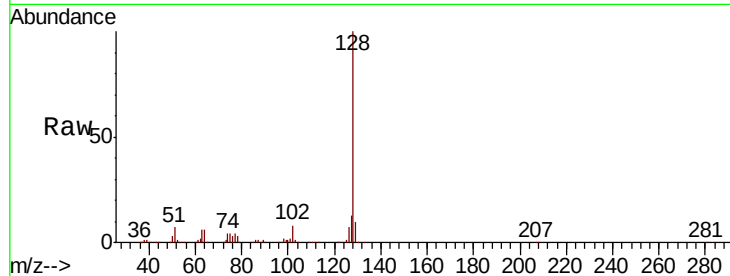
#95
Naphthalene
Concen: 51.882 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.490 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013936.D
Acq: 08 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	28.9	14.9	44.9

